

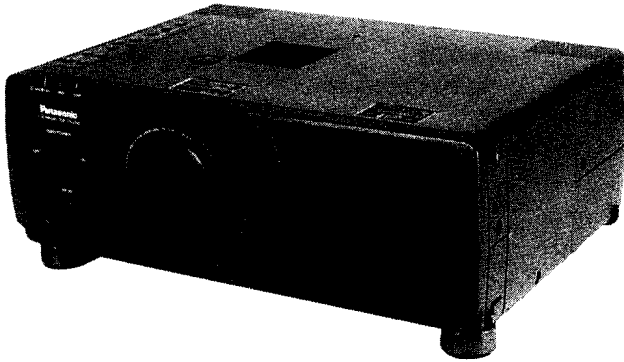
VIEWSONIC

PJ-800

MODEL

SERVICE MANUAL

Service Manual



LCD Projector

PT-L592 ^{EE}_{EA}PT-L392 ^{EE}_{EA}

The service technician is required to read and follow the "Safety Precautions" and "Important Safety Notice" in this service manual.

Specifications

Power supply:

220~240 V AC, 50/60 Hz

Power consumption:

380 W (During stand by (when fan is stopped):

Approx. 13 W)

Max amps: 2.0 A

LCD panel:

Panel size (diagonal): 33 mm (1.3")**Display method:** 3 transparent LCD panels (RGB)**Drive method:** Active matrix method

Pixels:

PT-L592E/EG/EA: 1,440,000**PT-L392E/EG/EA:** 921,600

Lens:

F 2.5~3.1

f48~72

Retractable lens mechanism

Lamp:

Metal halide (260 W)

Luminosity: 1,016 mm (40-inch) screen

PT-L592E/EG/EA: 600 lm/ANSI**PT-L392E/EG/EA:** 800 lm/ANSI

Scanning frequency:

During S-VIDEO/VIDEO signal input

H 15.75/15.63 kHz, V 50/60 Hz

During RGB signal input

Built-in data selection (point scan) method

H 23~69 kHz, V 50~85 Hz (PT-L592E/EG/EA)

H 23~38 kHz, V 50~73 Hz (PT-L392E/EG/EA)

Projection size (diagonal):

762~7,620 mm (30~300 inches)

Throw distance: 1.0~16.2 m (3'3"~53'2")

Optical axis shift: ±0/10

Screen aspect ratio: 4 : 3

Installation:

Ceiling/Floor/Front/Rear (Menu selection method)

Speaker:

4 cm×2.85 cm (1⁹/₁₆"×1¹/₈") ellipse ×2 (stereo)

Max. usable volume output:

2 W (1 W+1 W) (10% THD)

Connection terminals:

RGB IN: Double-line D-SUB HD 15-pin (female)**R.G.B.:** 0.7 Vp-p (1.0 Vp-p at G·SYNC signal),
75 Ω, BNC**HD/SYNC:** 0.6~8.0 Vp-p high impedance,
automatic plus/minus polarity compatible**VD:** 0.6~8.0 Vp-p high impedance,
automatic plus/minus polarity compatible

AUDIO IN:

Double-line 0.5 Vrms M3 jack (Stereo MINI)

S-VIDEO IN:

Single-line, Mini DIN 4-pin

Y 1.0 Vp-p, C 0.286 Vp-p, 75 Ω,

NTSC/PAL/SECAM/NTSC 4.43-compatible

VIDEO IN:

Single-line, Phono pin jack (S-VIDEO priority)

1.0 Vp-p, 75 Ω, NTSC/PAL/

SECAM/NTSC 4.43-compatible

AUDIO IN L-R:

0.5 Vrms Phono pin jack ×2 (L-R)

AUDIO OUT terminal:

M3 jack (Stereo MINI) ×1 (monitoring output and
stereo compatible)

0~2.0 Vrms (variable)

SERIAL input connector:

D-SUB 9-pin (male)

For computer-controlled operation

MOUSE input connector:

13-pin round connector

For wireless mouse function (PS/2, Macintosh and
serial computer compatible)

Panasonic

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⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Power cord length:

2.5 m (8'2")

Dimensions:

Width: 421 mm (16⁹/₁₆"")
Height: 163 mm (6¹³/₃₂"")
Length: 300 mm (11¹³/₁₆"") (not including lens extension length)
Weight: 9.8 kg (21.6 lbs.)

Operating environment:

Temperature: 0~40 °C (32 °F~104 °F)
Humidity: 20~80% (not condensation)
Certifications: ENN60950, EN55022, EN61000-3-2, EN61000-3-3, EN50082-1

<Remote control unit>

Power supply: 3 V DC (two AA-size batteries)
Operation range: 7 m (Approx. 23.0') (When operated from directly in front of the signal receptor)
Weight: 99g (Approx. 0.218 lbs.) (with batteries)

Dimensions:

Width: 46 mm (1¹³/₁₆"")
Height: 34 mm (1¹¹/₃₂"")
Length: 180 mm (7³/₃₂"")

Accessories:**Remote control unit (TNQE003):**

1

AA-size batteries:

2

Power cord:**PT-L592EG/PT-L392EG:**

1 (TXFSX02VTHZ, 250 V, 10A)

PT-L592E/PT-L592EA/PT-L392E/PT-L392EA:

1 (TXFSX02VTFZ, 250 V, 10A)

VGA cable (TSXF095):

1 (2.0 m [6'7"], D-SUB HD 15-pin [male] ↔ D-SUB HD 15-pin [male])

PS/2 mouse cable (TSXF096):

1 (2.0 m [6'7"], 13-pin round [male] ↔ DIN 6-pin [male])

Optional accessories:

CEILING MOUNT BRACKET ET-PK592

- ◆ Design and specifications are subject to change without notice. Weight and dimensions shown are approximate.

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SAFETY PRECAUTIONS

GENERAL GUIDELINES

1. For continued safety, no modification of any circuit should be attempted.
2. Disconnect AC Plug before disassembling this unit.
3. It is advisable to use an isolation transformer in the AC supply before servicing.
4. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
5. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers, shield, and isolation R-C combinations etc. are properly installed.
6. After servicing, be sure to restore the wires, leads, insulation barriers, shields, etc.
7. After servicing, make the leakage current checks to prevent the customer from being exposed to shock hazards.

Current Leakage Check

1. Assemble the measuring instrument as shown in Fig.1. Be sure to use the voltmeter equipped with performance described in Table 1.

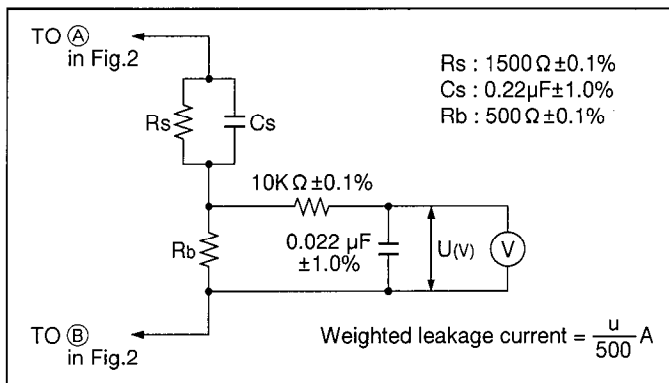


Fig. 1

Table 1

	Performance
Voltmeter (True r.m.s. reading)	Uncertainty: ≤ 2 % Input resistance: ≥ 1MΩ Input capacitance: ≤ 200pF Frequency range: 15Hz to 1MHz

2. Assemble the circuit as shown in Fig.2. Connect AC plug to AC outlet.

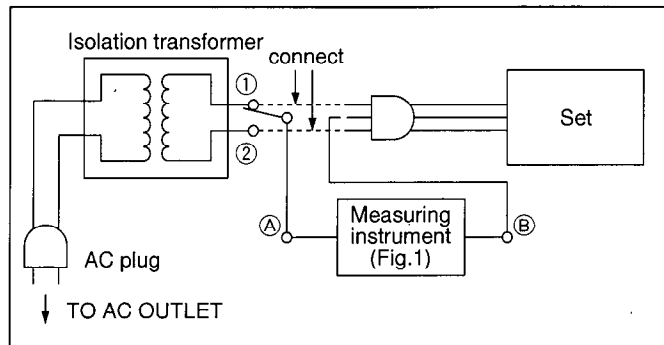


Fig. 2

3. Connect (A) to ① according to Fig.2 and measure voltage.
4. Disconnect (A) from ① to ②. Measure voltage again.
5. Both of the values of voltage obtained from the measurement in step3 and step4 should not be 3.75V nor exceed 3.75V.
That is to say, both of the values calculated from the formula shown in Fig.1 should not be 0.75mA nor exceed 0.75mA.

In case a measurement is outside of the limits specified, there is a possibility of shock hazard, and the LCD Projector should be repaired and rechecked before it is returned to the customer.

UV-PRECAUTION AND HIGH PRESSURE LAMP PRECAUTION

1. Be sure to disconnect the AC Plug when replacing the lamp.
2. Since the lamp reaches a very high temperature during its operation, wait until it has completely cooled off when replacing the Lamp Unit.
3. The lamp emits small amounts of UV-Radiation, avoid direct-eye contact.
4. The high pressure lamp involves a risk of explosion. Therefore, do not touch the Lamp Filament when servicing. (See Fig. 3)

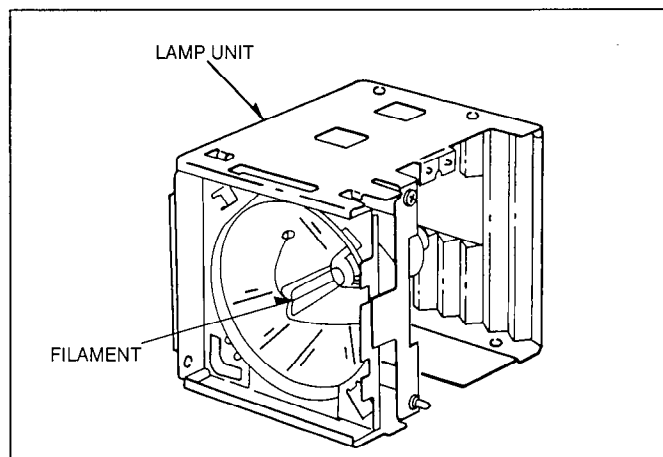


Fig. 3

Location and function of each part

Projector

<Top and front>

INPUT select button

This button is used to select the input signal source.

Arrow buttons (Up: ^, Down: v, Left: <, Right: >)
These buttons are used to select items from the menu screen and for changing setting values.

FOCUS adjustment +/- buttons
These buttons are used to adjust the picture focus.

ZOOM adjustment +/- buttons
These buttons are used to adjust the picture size.

POWER button
This button is used to turn projection of the picture on and off.

MENU button
This button is used to turn display of the menu screen on and off and to return display to the previous screen.

LENS SHIFT dial
Turning this dial moves the lens up and down. Use it to make fine adjustments to the lens position when setting up the projector.

Remote control signal receptor
This receives the infrared signal transmissions from the remote control unit.

Focus ring
This ring is used to adjust the image focus.

Air outlet port

Projection lens
This lens enlarges the image and projects it onto the screen.

Lens cap

TEMP indicator
This indicator illuminates or flashes as a warning if the temperature inside the projector reaches an abnormal level.

LAMP indicator
This indicator illuminates when the useful life of the lamp is coming to an end, and it flashes when there is a problem with the lamp unit.

Power indicator (STAND BY (R)/ON (G))
This indicator illuminates red when the projector is in standby mode, green when the projector is on, and orange when in operating mode and the cooling fan is operating.

Built-in speakers
These are built-in speakers which are capable of outputting stereo sound.

Carrying handle
Pull out the handle and hold it when transporting the projector.

MAIN POWER switch
This switch turns the power supply to the projector on and off.

Fuse holder
This holds a 250 V AC, T4A fuse.

Power input socket (AC IN)
The power cord which is supplied with the projector is connected here.

<Back, bottom and right view>

Remote control signal receptor
This receives the infrared signal transmissions from the remote control unit.

Lamp unit cover
Remove this cover to get access to the lamp unit.

Fixed legs

Air filter

Front

Adjustable legs (two)
These legs can be used to adjust the angle of inclination of the projector.

Adjuster button
This button is used to unlock the adjustable legs.

VIDEO IN terminal
This terminal is used to input composite video signals.

S-VIDEO IN terminal
This terminal is used to input S-VIDEO signals.

RGB 2 (RGB IN/AUDIO IN) connector/terminal
This connector and terminal are used to input RGB signals and the audio signal which accompany them.

RGB 1 (RGB IN/AUDIO IN) connector/terminal
This connector and terminal are used to input RGB signals and the audio signal which accompany them.

AUDIO IN (L-R) terminals for S-VIDEO/VIDEO input
These terminals are used to input audio signals which correspond to the signals input to the VIDEO IN or S-VIDEO IN terminal.

AUDIO OUT terminal
This terminal is used to output audio signals which are input from the AUDIO IN terminal for RGB input or the AUDIO IN (L-R) terminals for S-VIDEO/VIDEO input. The sound output is automatically switched when the audio input source is switched.

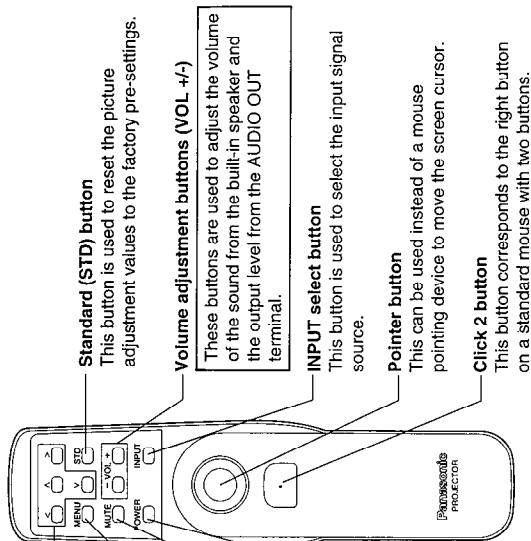
SERIAL connector
This connector is used to connect a personal computer to the projector in order to externally control the projector.

MOUSE connector
This connector is used to connect an accessory or separate mouse cable. This lets you operate a personal computer using the pointer button and click buttons on the remote control unit instead of using a mouse.

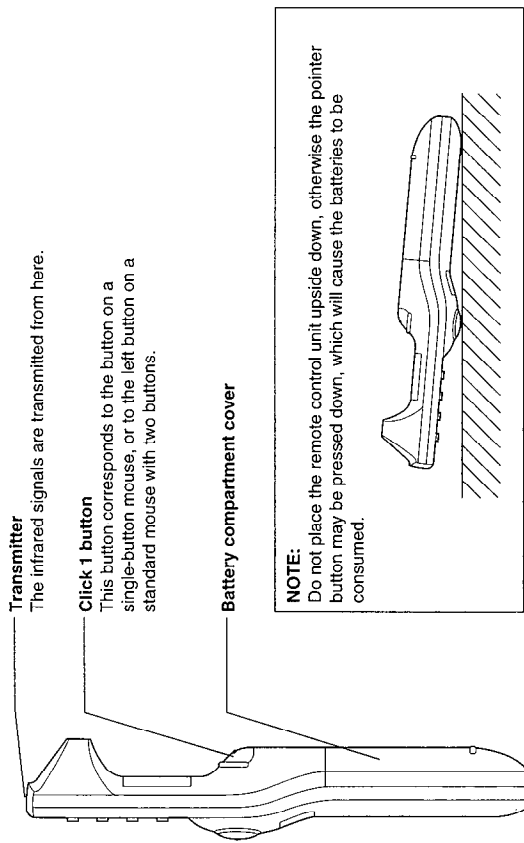
Remote control unit

<Front view>

- Arrow buttons (Up: Δ , Down: ∇ , Left: \leftarrow , Right: \rightarrow)**
These buttons are used to select items from the menu screen and for changing setting values.
- MENU button**
This button is used to turn display of the menu screen on and off and to return display to the previous screen.
- MUTE button**
This button is used to temporarily turn off the sound. If you wish to change a setting, this button can also be used to turn off the picture together with the sound.
- POWER button**
This button is used to turn projection of the picture on and off.



<Side view>



Screen requirements

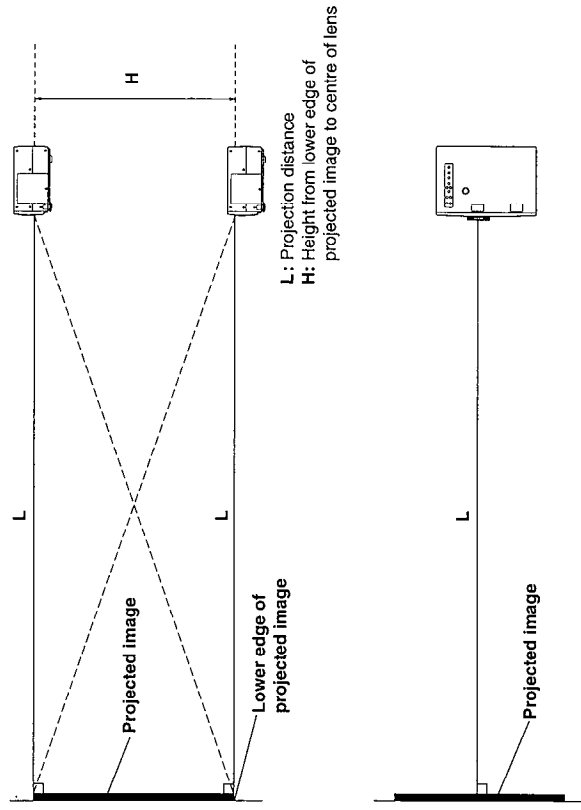
This projector is used to project the image onto flat screens. However, the brightness and viewable range will vary depending on which type of screen is used. When selecting a screen, check the characteristics of the screen to ensure that it is suitable for the intended place of use.

Screen characteristics (reference)

Screen type	Screen characteristics
Polarized screen	Because the surface of the screen has been treated to make it polarized, it will only reflect light from a single direction. Consequently, if you use such a screen with an LCD projector, a clear image can be obtained even in bright rooms because the screen hardly reflects any extraneous light.
White screen	This type of screen can be seen from anywhere, so there are no limits on the viewing position. However, the surrounding walls should be darkened as in a movie theater, otherwise a clear picture cannot be obtained.
Silver screen	This type of screen gives a picture which is 2-4 times brighter than a white screen. A variety of types are available from different manufacturers, and each type has different brightness characteristics. Some also have restrictions on the possible range of viewing positions. <ul style="list-style-type: none">※ Care should be taken with screens that have a high gain, as these types of screen can cause colour distortion at the left and right edges.※ This type of screen is recommended when the projector is suspended from the ceiling.
Beaded screen	This type of screen is similar to the silver screen, except that no colour distortion occurs at the left and right edges. Moreover, most of the light is reflected at the same angle as the angle of incidence. <ul style="list-style-type: none">※ This type of screen is recommended when the projector is placed on the floor.
Flexible translucent screen	This type of screen is made of PVC (polyvinyl chloride). It has the same characteristics as silver screens, but sometimes it can have hot spots.
Rigid-type translucent screen	This type of screen is made of acrylic plastic. It is extremely durable and has excellent optical characteristics. It performs in the same way as silver screens.

Standard setting-up positions

After determining the appropriate position for the projector by referring to the illustrations and standard setting-up dimensions given below, set up the projector. The distance **L** from the projector to the screen and the height **H** do not vary, regardless of whether the projector is being used in the floor, ceiling, front or rear positions.



Standard setting-up dimensions

Because the projector uses a $\times 1.5$ electronic zoom lens, it is possible to adjust the projection distance. And because there is also a function provided for adjusting the height of the lens, the height of the projector can also be adjusted relative to the position of the screen.

Projection size (diagonal)	Projection distance (L)		Height from lower edge of projected image to centre of lens (H)		Height from upper edge of projected image to centre of lens (H)	
	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum
0.762 m (30")	1.0 m (3'3")	1.5 m (4'11")	0-0.45 m (0-18")	0-0.45 m (0-18")	0-0.45 m (0-18")	0-0.45 m (0-18")
1.016 m (40")	1.4 m (4'7")	2.0 m (6'6")	0-0.60 m (0-24")	0-0.60 m (0-24")	0-0.60 m (0-24")	0-0.60 m (0-24")
1.524 m (60")	2.1 m (6'10")	3.1 m (10'2")	0-0.91 m (0-36")	0-0.91 m (0-36")	0-0.91 m (0-36")	0-0.91 m (0-36")
2.032 m (80")	2.8 m (9'2")	4.2 m (13'9")	0-1.21 m (0-48")	0-1.21 m (0-48")	0-1.21 m (0-48")	0-1.21 m (0-48")
2.540 m (100")	3.6 m (11'9")	5.3 m (17'4")	0-1.52 m (0-60")	0-1.52 m (0-60")	0-1.52 m (0-60")	0-1.52 m (0-60")
3.810 m (150")	5.4 m (17'8")	8.0 m (26'2")	0-2.28 m (0-90")	0-2.28 m (0-90")	0-2.28 m (0-90")	0-2.28 m (0-90")
5.080 m (200")	7.2 m (23'7")	10.7 m (35'1")	0-3.04 m (0-120")	0-3.04 m (0-120")	0-3.04 m (0-120")	0-3.04 m (0-120")
6.350 m (250")	9.0 m (29'6")	13.4 m (43'11")	0-3.81 m (0-150")	0-3.81 m (0-150")	0-3.81 m (0-150")	0-3.81 m (0-150")
7.620 m (300")	10.8 m (35'5")	16.2 m (53'1")	0-4.57 m (0-180")	0-4.57 m (0-180")	0-4.57 m (0-180")	0-4.57 m (0-180")

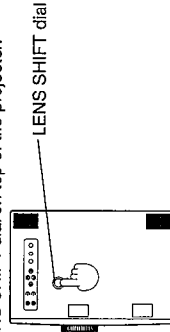
NOTE:

- In addition, if the projector is not completely vertical with respect to the screen and horizontal with respect to the floor, distortion of the projected image will result.
- The values in the table shown above are approximate.

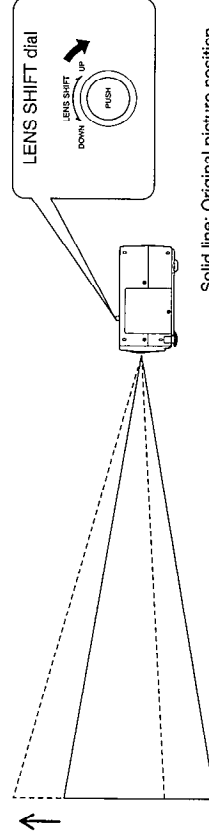
Adjusting the position of the projected picture

The vertical position of the projected picture can be adjusted by changing the height of the projection lens using the LENS SHIFT dial which is on top of the projector. After determining the projection distance and the setting-up position, adjust the vertical position of the projected picture by carrying out the following procedure.

Press the LENS SHIFT dial on top of the projector. The dial will pop up and it will be possible to turn it to make adjustments.

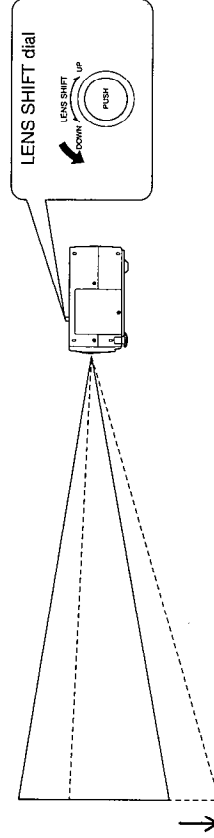


If the LENS SHIFT dial is turned clockwise, the position of the projected image will be raised.

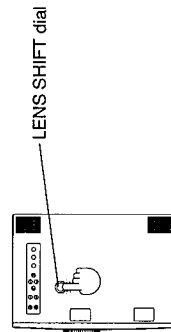


Solid line: Original picture position
Dotted line: Picture position after adjustment

If the LENS SHIFT dial is turned counterclockwise, the position of the projected image will be lowered.



Press the LENS SHIFT dial on top of the projector. The dial will pop back in again and adjustment will no longer be possible.



NOTE:

- The height of the projection lens can be adjusted within a range of ± 10.1 mm ($\pm \frac{3}{8}$ inch). However, the adjustment range for the position of the projected picture will vary depending on the size of the projected picture.

■ Setting the projector up horizontally

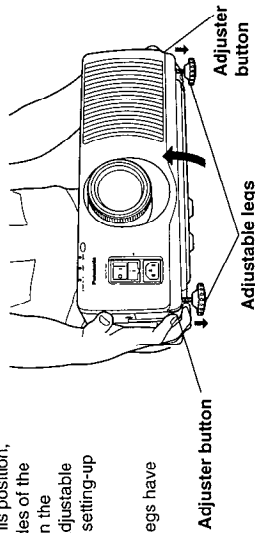
If the projector is not set up so that it is horizontal, it will not be possible to obtain a distortion-free picture. If placing the projector on top of a table or similar surface, carry out the following procedure to ensure that no distortion of the picture occurs.

Adjustment procedure

1. Lift the front of the projector until the projector as a whole is horizontal. While holding it in this position, press the adjuster buttons under the sides of the projector (1 each at left and right). When the buttons are pressed, the left and right adjustable legs will drop down until they reach the setting-up surface.

NOTE:

- Do not release the buttons until both legs have reached the setting-up surface.

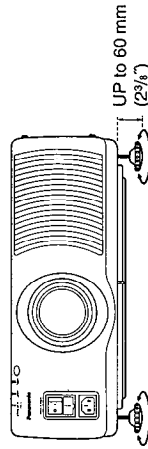


2. Release the adjuster buttons. (The adjustable legs will lock as soon as the buttons are released.)

3. Turn the adjustable legs by hand in either direction to make fine adjustments to the level of the projector so that the projector is perfectly horizontal.

NOTE:

- The legs can be extended by up to 60 mm ($2\frac{3}{8}$). If you try to extend them any further than this, they will merely spin freely.

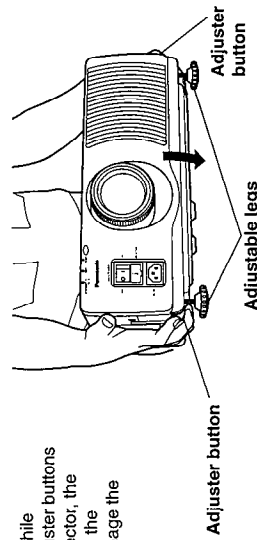


<Retracting the adjustable legs>

After lifting the front of the projector slightly, press and hold the adjuster buttons and then gently lower the projector.

NOTE:

- Be sure to support the projector firmly while pressing the adjuster buttons. If the adjuster buttons are pressed without supporting the projector, the adjustable legs will suddenly unlock and the projector will fall down, which could damage the projector.



Adjusting the lens

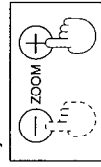
The projector is equipped with electronic zoom and electronic focusing mechanisms, so that you can carry out adjustments simply by pressing the ZOOM (+/-) buttons and the FOCUS (+/-) buttons on the top of the projector, or by following the on-screen adjustment display. Alternatively, you can adjust the focus by turning the lens directly.

NOTE:

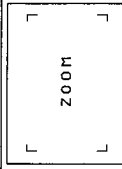
- If these buttons are pressed while the on-screen display for some other function is on the screen, the buttons pressed will operate but the on-screen display will not switch to the ZOOM or FOCUS adjustment screen. Thus there may be cases where the operation and the display do not match.

Adjustment procedure <for direct adjustment>

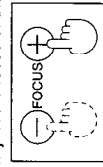
1. Press the ZOOM (+/-) buttons on the operation panel on the top of the projector to adjust the size of the picture.



If the "+" button is pressed, the picture becomes larger, and if the "-" button is pressed, the picture becomes smaller.



2. Press the FOCUS (+/-) buttons on the operation panel on the top of the projector to adjust the focus of the picture.



Adjust so that the image projected onto the screen is at the optimum focus.



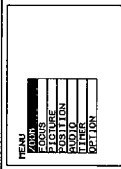
NOTE:

- If approximately five seconds pass without any buttons being pressed, the adjustment screen will be cleared.

Adjustment procedure <adjusting using the on-screen adjustment display>

1. Press the MENU button to display the MENU screen.

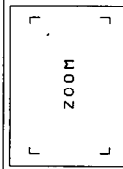
2. Press the "<" and ">" buttons to select "ZOOM".



3. Press the "<" and ">" buttons to display the ZOOM adjustment screen.

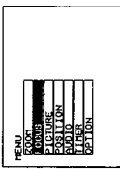
4. Press the "<" and ">" buttons to adjust the picture size.

If the "+" button is pressed, the picture will become larger, and if the "-" button is pressed, the picture will become smaller.



5. Press the MENU button, or wait for approximately five seconds without pressing any button. The display will then return to the MENU screen.

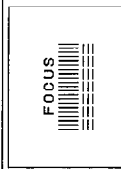
6. Press the "<" and ">" buttons to select "FOCUS".



7. Press the "<" and ">" buttons to display the FOCUS adjustment screen.

8. Press the "<" and ">" buttons to adjust the picture focus.

Adjust so that the image projected onto the screen is at the optimum focus.



NOTE:

- If approximately five seconds pass without any buttons being pressed, the display will return to the MENU screen.
- The projector is equipped with a lens retracting function which will cause the lens to be retracted automatically when the power is turned off. However, the lens will not then return to the previously adjusted position even if the power is turned back on again. If you do not wish this function to operate, turn the function setting off while referring to "Using the lens retracting function".

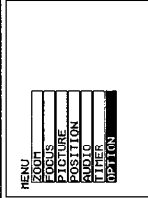
Setting-up positions and changing the projection method

The projection method used by the projector can be changed in accordance with the setting-up position.

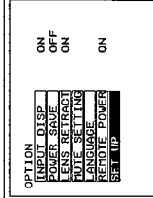
The projector method used by the projector can be changed in accordance with the setting up position. At the time of shipment from the factory, the projector is set to the "FRONT" projection method, but this can be changed if required.

Setting procedure

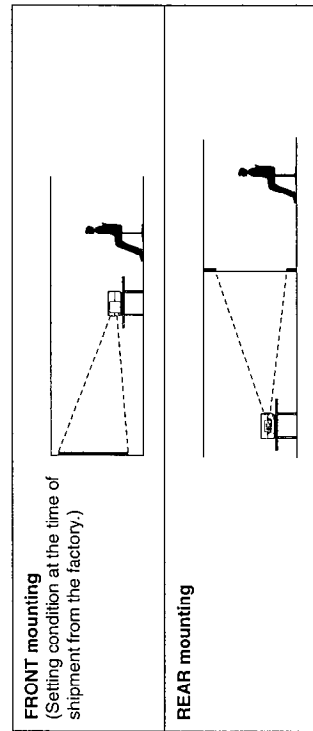
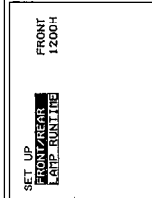
1. Press the MENU button to display the MENU screen.
2. Press the "Λ" and "√" buttons to select "OPTION".



3. Press the "<" and ">" buttons to display the OPTION screen.
4. Press the "^" and "v" buttons to select "SET UP"



5. Press the "<" and ">" buttons to display the SET UP screen.
6. Press the "∧" and "∨" buttons to select "FRONT/REAR".
7. Press the "<" and ">" buttons to select "FRONT" or "REAR".



NOTE:

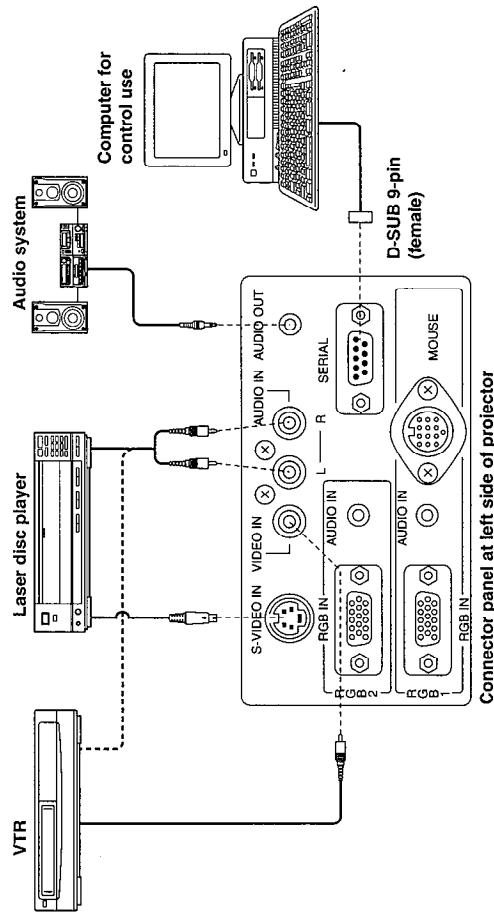
- The adjustment screen and the MENU screen can both be cleared by pressing the MENU button.

System configuration example

Notes on system configuration

- Turn off the power supply of each system component before connecting any of the components.
- Read the instruction manual for each system component before connecting it.
- If the necessary cables for connecting any system components are not supplied with the component or available as an option, you may need to fashion a cable to suit the component concerned.
- If there is a lot of jitter in the video signal input from the video source, the picture on the screen may flicker. In such cases, it will be necessary to connect a TBC (time base corrector).
- The projector can be connected to video signal sources which output VIDEO, S-VIDEO and analogue RGB signals (0.6–8.0 Vp-p synchronised signals).
- The projector has built-in speakers. However, you will need to connect a separate audio system to the AUDIO OUT terminal if your needs specify high sound volumes. No sound will come out of the projector's built-in speakers while the AUDIO OUT terminal is being used.
- It may not be possible to connect some types of computer.

Example of connection to audio-visual equipment



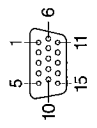
NOTE:

- If the S-VIDEO IN and VIDEO IN terminals are both connected at the same time, the S-VIDEO IN signal input will have priority. If you wish to view the signal being input to the VIDEO IN terminal, disconnect the plug from the S-VIDEO IN terminal.
- Only one audio signal input system is available for the AUDIO IN (L-R) terminals for S-VIDEO/VIDEO signals, so if you wish to change the audio input source, you will need to remove and insert the appropriate plugs.
- If the video signal source is connected using a cable with a BNC junction plug, use the BNC/RCA adapter to convert the pin jack.
- If an audio system is connected to the AUDIO OUT terminal, the sound volume balance and muting can be controlled by the remote control unit which is supplied with the projector. However, if the volume is set to "0", no audio signal will be output from the AUDIO OUT terminal.

Example of connection to a computer

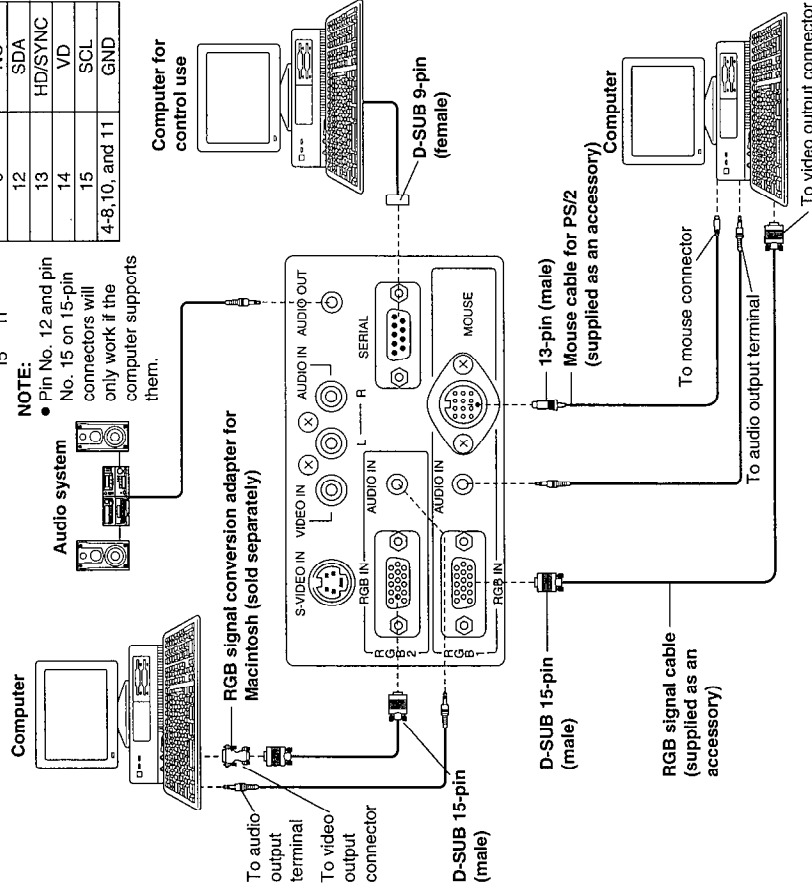
- Pin configuration and signal names for RGB connector

Pin No.	Signal name
1	R
2	G/G-SYNC
3	B
9	NC
12	SDA
13	HD/SYNC
14	VD
15	SCL
4-8, 10, and 11	GND



NOTE:

- Pin No. 12 and pin No. 15 on 15-pin connectors will only work if the computer supports them.



NOTE:

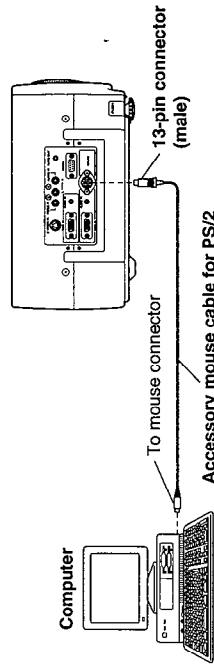
- If the mouse connector on the projector is connected to the mouse connector on the computer with the accessory or separate mouse cable, you can then use the remote control unit in place of the computer's mouse. However, this function operates only when input to the RGB 1 connector has been selected.
- If you wish to use the infrared mouse function, turn on the main power to the projector before turning on the personal computer.
- If using a personal computer with a suspend/resume function, the infrared mouse function may not operate until the computer is restarted.
- If computers other than those listed here are used, correct operation cannot be guaranteed.

Wireless mouse

A wireless mouse function is provided. This function lets you use the remote control unit to control a personal computer in place of the personal computer's mouse. This is done by connecting the projector to a personal computer using the mouse cable (2.0 m (6'7") for PS/2 mouse) which is supplied with the projector. However, if you wish to use the wireless mouse function by connecting the projector to a personal computer which is not PS/2 compatible, you will need to purchase a separate mouse cable which is not included with the projector. This projector is compatible with the following types of mouse only. Other types of mouse cannot be used.

- PS/2 mouse
- Macintosh mouse
- Serial mouse

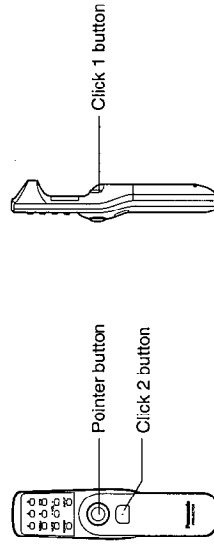
Example of connection



NOTE:

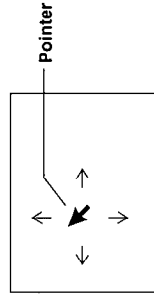
- If using a computer which is not PS/2 compatible, please purchase a mouse cable that is suitable for the computer to be used.
- Different mouse cables are used for different types of computers. Therefore, do not use any mouse cables other than the one supplied or a special mouse cable intended for this purpose.
- The wireless mouse function operates only when input to the RGB 1 connector has been selected.

Operation



Pointer button

While gently pressing the pointer button with your thumb, push the pointer button back and forward and to the left and right. The pointer (arrow) will move back and forward and to the left and right on the screen.



Click 1 button

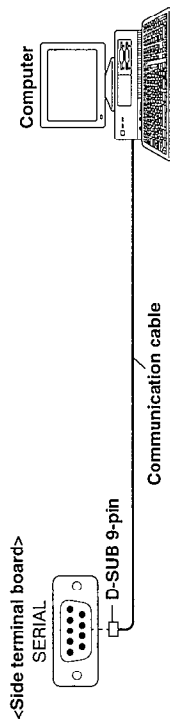
This button corresponds to the button on a single-button mouse, or to the left button on a standard mouse with two buttons.

Click 2 button

This button corresponds to the right button on a standard mouse with two buttons.

Using the serial connector

The serial connector which is on the side terminal board of the projector conforms to the RS-232C interface specification, so that the projector can be controlled by a personal computer which is connected to this connector.



NOTE:

- Use a proper communication cable which is suitable for the personal computer to connect the serial connector and the personal computer.

Pin layout and signal names for SERIAL connector

Pin No.	Signal name	Contents
①		NC
②	RXD	Received data
③	TXD	Transmitted data
④		NC
⑤	GND	GND
⑥		NC
⑦	RTS	Connected internally
⑧	CTS	
⑨		NC

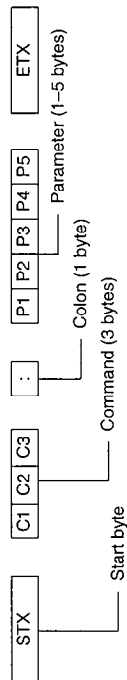
D-SUB 9-pin connector
(male) seen from the
outside

Communication settings

Signal level	Determined by the RS-232C interface
Synchronising method	Asynchronous
Baud rate	9600 bps
Parity	None
Character length	8 bits
Stop bit	1 bit
X parameter	None
S parameter	None

Basic format

Each packet which is sent from the computer starts with STX. Following this is the command itself and the parameters for that command (if any), and the packet then ends with ETX. Add parameters when necessary according to the control contents.



NOTE:

- If sending multiple commands, check that a response has been received from the projector for one command before sending the next command.
- If an incorrect command is sent from the personal computer, the "ER401" command will be sent from the projector to the personal computer.

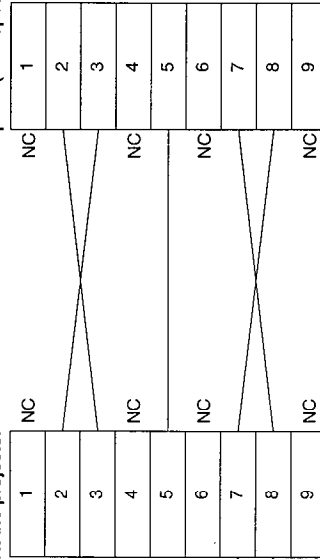
Control commands

The commands which the personal computer can use to control the projector are shown in the following table.

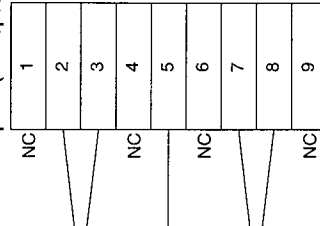
Command	Control Contents	Remarks
PON	Power ON	In standby mode, all commands other than the PON command are ignored.
POF	Power OFF	
AVL	Volume	Parameter 000 = Adjustment value 0 : = 063 = Adjustment value 63
AMT	Mute	Parameter 0 = MUTE OFF 1 = MUTE ON
IIS	Input signal selection	Parameter VID = VIDEO RG1 = RGB1 RG2 = RGB2

Cable specifications

At the projector



At the computer (DTE specifications)



Cleaning the air filter

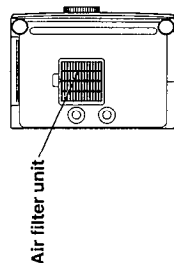
If the air filter becomes clogged with dust, the internal temperature of the projector will rise, the TEMP indicator will flash and the projector will be switched automatically to standby mode.

Cleaning procedure

1. **Turn off the main power supply and disconnect the power cord plug from the wall outlet.**
Turn off the main power supply according to the procedure given in "Turning the power on and off" on page 11 before disconnecting the plug from the wall outlet.

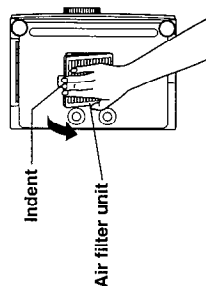
2. **Gently turn the projector upside down.**

Place the projector on top of a blanket so that it will not become scratched.



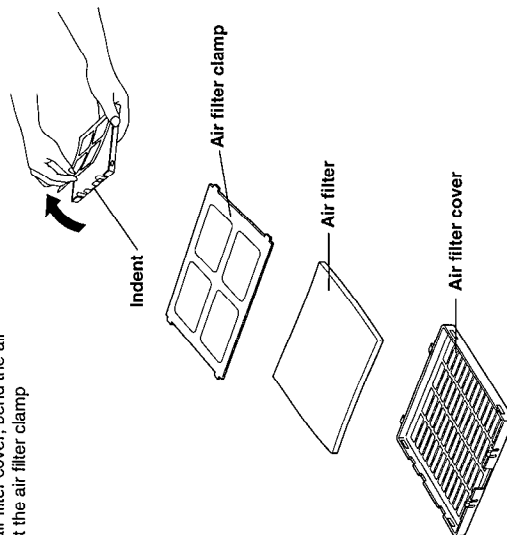
3. **Remove the air filter cover.**

Hold the indents on the air filter cover with your hands and pull the air filter unit out of the projector.



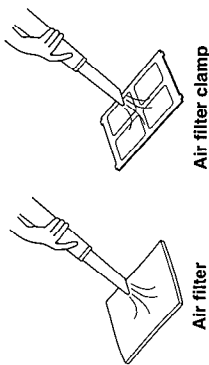
4. **Remove the air filter clamp and then take out the air filter.**

Insert your finger into the indent in the air filter cover, bend the air filter clamp slightly inwards, and then lift the air filter clamp upwards to remove it.



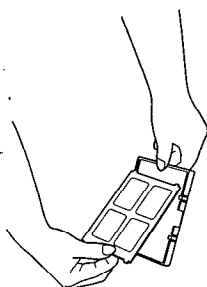
5. **Clean the air filter and the air filter clamps.**

Use a vacuum cleaner to clean off any accumulated dust.



6. **Install the air filter and the air filter clamp to the air filter cover.**

Place the air filter inside the air filter cover, and then insert the air filter clamp into its original position as shown in the illustration.

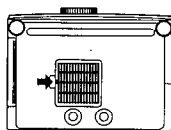


7. **Install the air filter cover.**

Slide the air filter cover into the projector until the hollows in the air filter cover are aligned with the hollows in the projector.

NOTE:

- Be sure to install the air filter cover before using the projector.
- If the projector is used without the air filter cover installed, dust and other foreign particles will be drawn into the projector, and malfunctions will result.



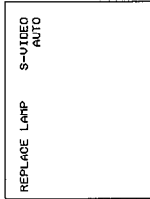
NOTE:

- If the dust cannot be removed by cleaning, it is time to replace the air filter. Please consult your dealer.

Lamp unit replacement period

The lamp used as the light source must be replaced after approximately 2,800 hours of use. If the lamp is not replaced after the cumulative usage time has passed 3,000 hours, the projector will automatically switch to standby mode.

- **Screen display once cumulative usage time exceeds 2,800 hours**
If you continue to use the lamp unit after 2,800 hours of total usage time have passed, the on-screen display shown at right will appear as a reminder each time the projector is turned on. This display will continue to appear until a button is pressed.



Replacing the lamp unit

Notes on replacing the lamp unit

- Because the lamp unit in this projector incorporates a metal halide lamp, the temperature inside the lamp rises during use and the lamp becomes very hot. After turning off the MAIN POWER switch and disconnecting the power cord from the wall socket, wait for the lamp to cool down before replacing the lamp unit.
- Take extreme care when handling the removed lamp unit, as it contains gas under high pressure and can easily become damaged if it is struck against hard objects or dropped.
- The old lamp unit may shatter if it is handled roughly after removal.
Ask an authorised waste disposal agency to dispose of the old lamp unit.
- A Phillips screwdriver is necessary for removing the lamp unit. Make sure that your hands are not slippery when using the screwdriver.

NOTE:

- The projector is not supplied with a replacement lamp unit. Please ask your dealer for details.
Lamp unit product no.: ET-LA592

CAUTION: Do not use any lamp unit other than the one with the product number indicated above.

■ Replacement procedure

NOTE:

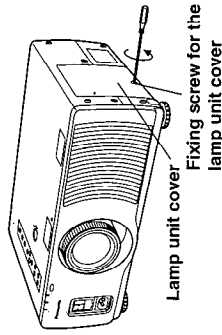
- If the lamp unit is replaced after it has been used for more than 3,000 hours, the projector will switch to standby mode after approximately 10 minutes of operation. Steps 7. to 11. on the following page should thus be completed within 10 minutes.

1. Disconnect the power cord plug from the wall outlet and check that the area around the lamp unit has cooled down.

2. Use a Phillips screwdriver to remove the screw which is securing the lamp unit cover at the right side of the projector, and then remove the lamp unit cover.

NOTE:

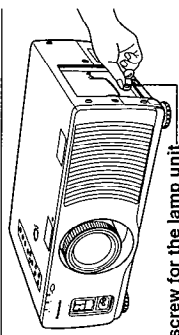
- Read the CAUTION on the lamp unit cover before continuing.



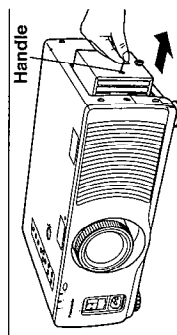
3. Turn the fixing screw for the lamp unit by hand until it turns freely.

CAUTION:

- The lamp unit will be hot after it has been used, and you might receive burns if you touch it while it is still hot.



4. Hold the handle which is attached to the lamp unit and gently pull the lamp unit out from the projector.



5. Insert the new lamp unit, while making sure that the direction of insertion is correct, and then turn the fixing screw for the lamp unit by hand until it is securely tightened.

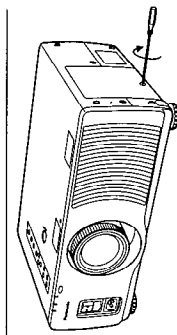
NOTE:

- Insert the lamp unit so that the fixing screw for the lamp unit is facing downwards.

6. Securely install the lamp unit cover, and then use a Phillips screwdriver to securely tighten the fixing screw for the lamp unit cover.

NOTE:

- Be sure to install the lamp unit and the lamp unit cover securely. If they are not securely installed, it may cause the protection circuit to operate so that the power cannot be turned on.



Using other useful functions

■ Changing the on-screen display language to another language

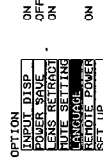
At the time of shipment, the language for on-screen displays is set to English. However, you can change it to some other language by the following procedure.

Setting procedure <For changing the language to German (DEUTSCH)>

1. Press the MENU button to display the MENU screen.
2. Press the "▲" and "▼" buttons to select "OPTION".

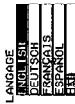


3. Press the "←" and "→" buttons to display the OPTION screen.
4. Press the "▲" and "▼" buttons to select "LANGUAGE".



5. Press the "←" and "→" buttons to display the LANGUAGE screen.

6. Press the "▲" and "▼" buttons to select "DEUTSCH".
 - The setting changes each time the cursor is moved.
 - The languages that can be selected include English (ENGLISH), German (DEUTSCH), French (FRANÇAIS), Spanish (ESPAÑOL) and Japanese (日本語).
- NOTE:**
- Press the MENU button to clear the setting screen and the MENU screen.



■ Using the countdown timer

The countdown timer can be used at times such as during breaks in meetings by displaying the amount of time remaining for something on the screen. The countdown time can be set to a maximum of 60 minutes, in units of One minute. The setting procedure is as follows.

Setting procedure

1. Press the MENU button to display the MENU screen.
2. Press the "▲" and "▼" buttons to select "TIMER".



3. Press the "←" and "→" buttons to display the TIMER screen.
4. Continue pressing the "←" and "→" buttons to set the time.
 - The setting can be made in units of one minute up to a maximum of 60 minutes.
 - This function can be disabled by setting the time to "0".
5. Press the MENU button to clear the menu screen. The countdown will then start.

NOTE:

- During the countdown, the screen will switch to the colour specified by the BACK COLOR setting.
- If you would like to cancel the countdown function after it has been activated (if you would like to clear the countdown display), go back to the TIMER screen and set the time to "0" minutes, or press the MENU button.

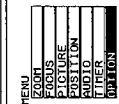


7. Insert the power cord plug into the wall outlet and then press the MAIN POWER switch on the front of the projector to turn on the power.

NOTE:

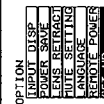
- If the power does not turn on when the MAIN POWER switch is pressed, turn the MAIN POWER switch off again and check that the lamp unit and the lamp unit cover are securely installed. Then turn the MAIN POWER switch back on.

8. Press the POWER button on the projector or remote control unit so that a picture is projected onto the screen.



9. (1) Press the MENU button to display the MENU screen.
- (2) Press the "▲" and "▼" buttons to select "OPTION".

10. (1) Press the "←" and "→" buttons to display the OPTION screen.
- (2) Press the "▲" and "▼" buttons to select "SET UP".



11. (1) Press the "←" and "→" buttons to display the SET UP screen.
- (2) Press the "▲" and "▼" buttons to select "LAMP RUNTIME".
 - The cumulative usage time of the current lamp unit will be displayed on the screen.
- (3) Press the "→" button on the projector control panel continuously for three seconds or more. (The "LAMP RUNTIME" display will change to "TIME RESET".)

screen.

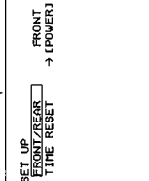
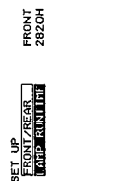
or more. (The "LAMP RUNTIME" display will change to "TIME RESET".)

NOTE:

- The "→" button on the remote control unit cannot be used at this time.
- (4) While the SET UP screen (the screen showing "TIME RESET") is being displayed, turn off the power. This will reset the cumulative usage time for the lamp unit.

NOTE:

- If any other buttons are pressed while "TIME RESET" is being displayed, the display will return to "LAMP RUNTIME" and the button pressed will take effect.



■ Using the power save function

In order to conserve power, the projector is equipped with a power save function which causes it to switch automatically to the standby condition if no signal is input for 10 minutes or more. At the time of shipment from the factory this function is set to "OFF". If you would like to use the function, change the setting to "ON" by the following procedure.

Setting procedure

1. Press the MENU button to display the MENU screen.
2. Press the "x" and "v" buttons to select "OPTION".



3. Press the "z" and "s" buttons to display the OPTION screen.

4. Press the "x" and "v" buttons to select "POWER SAVE".

5. Press the "z" and "s" buttons to change the setting to "ON".

- If you change the setting to "OFF", the power save function will be disabled.



NOTE:

- Press the MENU button to clear the setting screen and the MENU screen.
- If both this function and the lens retracting function described below are set to "ON", the lens will be automatically retracted when the projector switches to standby mode. If this happens, you will need to readjust the zoom and focus of the lens after starting the projector again.

■ Using the lens retracting function

This function causes the projector lens to be retracted automatically when the projector switches to standby mode, and extends the lens again when the projector starts back up again. Having this function set to "ON" is useful if the projector will not be used for an extended period of time, or when the projector is to be transported somewhere. However, once the lens has been retracted, it will be necessary to readjust the zoom and focus of the lens once the projector has been started up again. At the time of shipment from the factory this function is set to "ON".

Setting procedure

1. Press the MENU button to display the MENU screen.
2. Press the "x" and "v" buttons to select "OPTION".



3. Press the "z" and "s" buttons to display the OPTION screen.

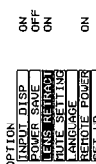
4. Press the "x" and "v" buttons to select "LENS RETRACT".

5. Press the "z" and "s" buttons to change the setting to "ON".

- If you set this function to "ON", the lens will be extended and retracted each time the power is turned on and off.

NOTE:

- If this function is set to "OFF", the lens will remain extended at all times.
- Press the MENU button to clear the setting screen and the MENU screen.



■ Setting the screen colour when no signal is input and during picture muting

The projector can be set to project either a solid blue image or a solid black image onto the screen if nothing is connected to the projector's input terminals, or if equipment is connected but no signal is being input from it. This setting is also effective when picture muting is active and when the countdown timer is running.

At the time of shipment from the factory, the colour is set to "BLUE".

Setting procedure

1. Press the MENU button to display the MENU screen.
2. Press the "x" and "v" buttons to select "OPTION".



3. Press the "z" and "s" buttons to display the OPTION screen.

4. Press the "x" and "v" buttons to select "MUTE SETTING".



5. Press the "z" and "s" buttons to display the MUTE SETTING screen.

6. Press the "x" and "v" buttons to select "BACK COLOR".

7. Press the "z" and "s" buttons to change the setting to "BLUE" or "BLACK".

- This will set the colour to be projected when no signal is being input.

NOTE:

- If a signal that the projector cannot recognise is input, the projector will consider this to be no signal.
- Press the MENU button to clear the setting screen and the MENU screen.



■ Using the MUTE remote control unit button to turn off both sound and picture

At the time of shipment from the factory, the MUTE button on the remote control unit is set so that only the sound is muted when the button is pressed. If you would like the picture to be muted along with the sound, set the PICTURE MUTE function to "ON" by the following procedure.

Setting procedure

The procedure below starts from the MUTE SETTING screen.

1. Press the "x" and "v" buttons to select "PICTURE MUTE".

2. Press the "z" and "s" buttons to change the setting to "ON".

- If the function is set to "ON", the picture will be muted along with the sound when the MUTE button is pressed.

- If the function is set to "OFF", only the sound will be muted when the MUTE button is pressed. (Factory pre-setting)

- Press the MENU button to clear the setting screen and the MENU screen.

NOTE:

- When PICTURE MUTE is on, the colour projected will be the same colour as the BACK COLOR setting.

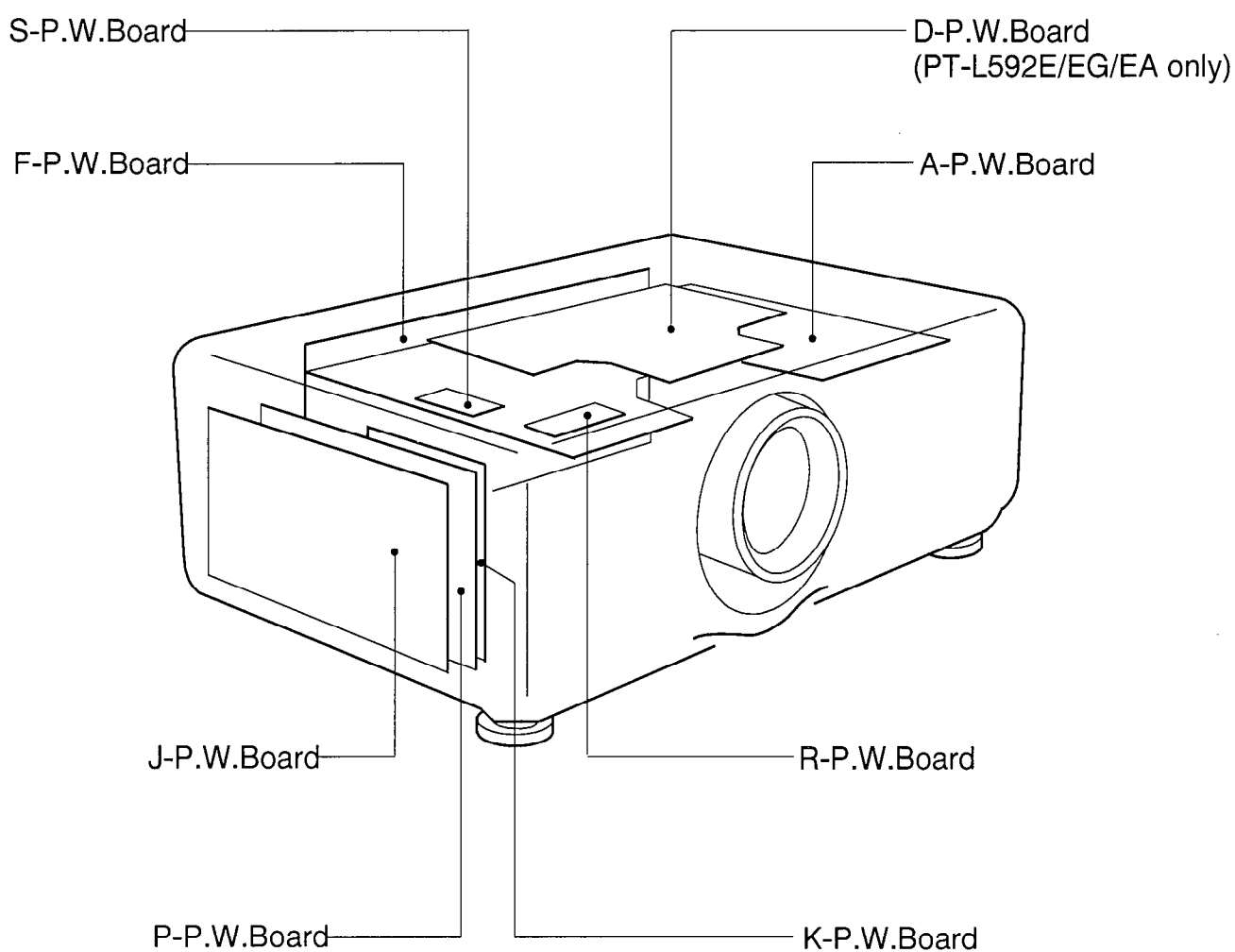


Disassembly Instructions

WARNING:

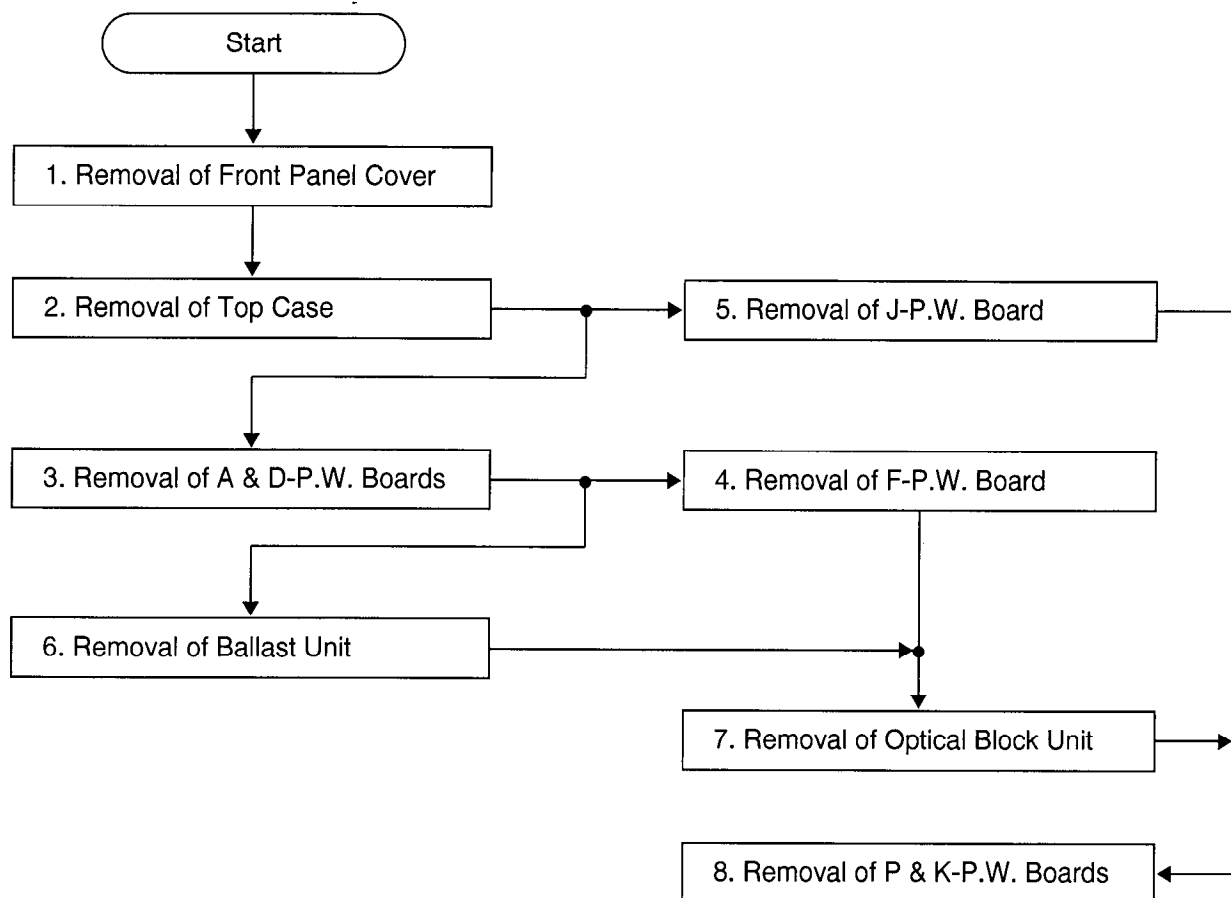
1. Before disassembly, remove the AC plug from the wall outlet.
2. When turning over a P.W. board to adjust it, be sure to lay on insulating material under it in order to prevent shorting.
3. P.W. boards and wires should not be pulled forcibly, but be handled carefully.
4. Printed boards and connectors should be handled with care-avoid handling them forcibly !
5. When handling the P-P.W. board and K-P.W. board with the power ON, there is a risk of an Electric shock if you use the COLD side heat sink while working on the HOT side of the chassis.

CIRCUIT BOARD LAYOUT



DISASSEMBLY FLOWCHART

This flowchart indicates disassembly items of the cabinet parts and circuit boards in order to find the items necessary for servicing. When reassembling, perform the steps in the reverse order.



1. Removal of Front Panel Cover

1. Remove 3 screws (A), and carefully pull out the Front Panel Cover toward you.

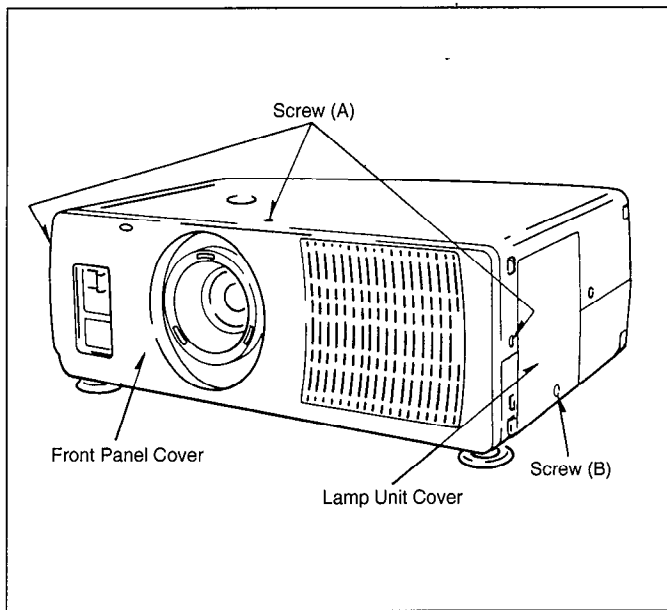


Fig. 1

2. Removal of Top Case

1. Remove the Front Panel Cover.
2. Loosen a screw (B), and remove the Lamp Unit Cover.
3. Remove 3 screws (C) and 2 screws (D), then disconnect 2 connectors (A15 and A21) on the A-P.W. Board.
4. Remove the Top Case.

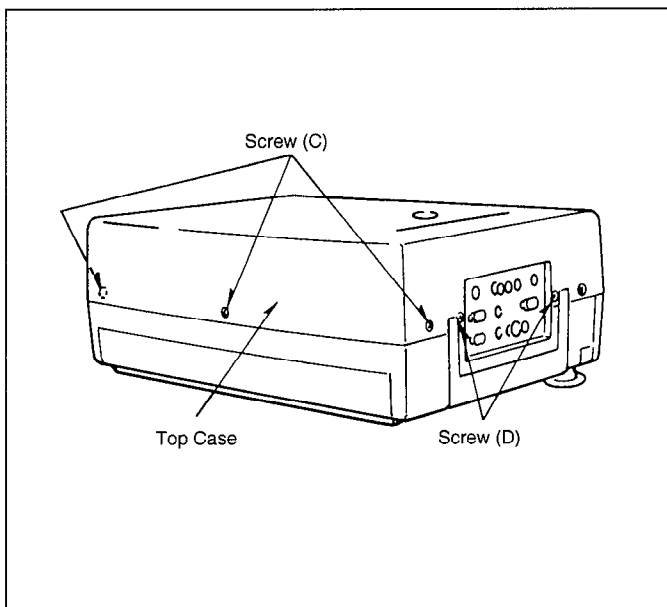


Fig. 2

Note:

- (1) Install the Lamp Unit Cover when starting the projector.
- (2) The projector starts with the S-P.W. Board removed, but be sure to connect 2 connectors (A15 and A21) when checking Speaker and Operation Panel.

3. Removal of A-P.W. Board and D-P.W. Board

1. Take off 2 screws (E), then remove soldering (F) on two places.
2. Remove the shield cover.
3. Disconnect each connector, remove the D-P.W. Board.

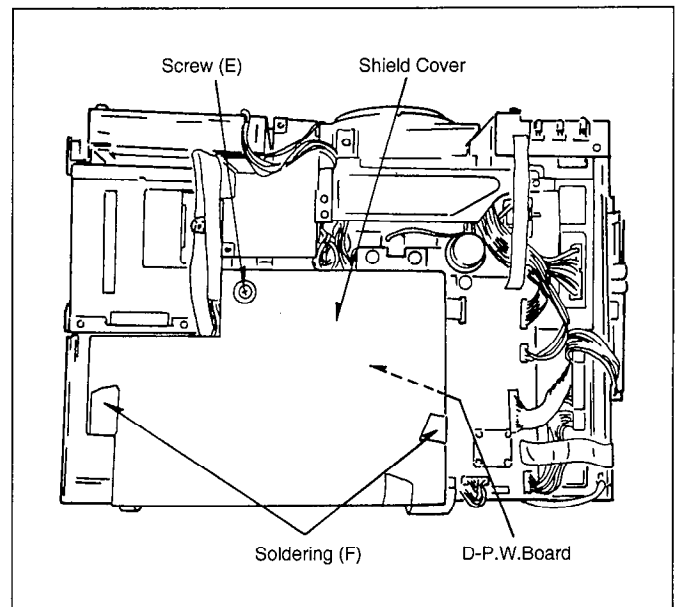


Fig. 3

4. Remove 5 screws (G).

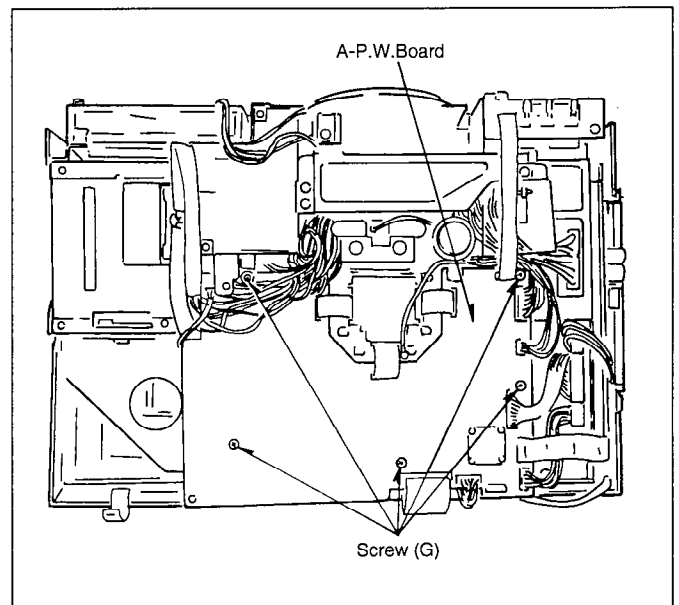


Fig. 4

5. Disconnect each connector, remove the A-P.W. Board.

4. Removal of F-P.W. Board

1. Remove a screw (H).
2. Disconnect each connector, remove the F-P.W. Board.

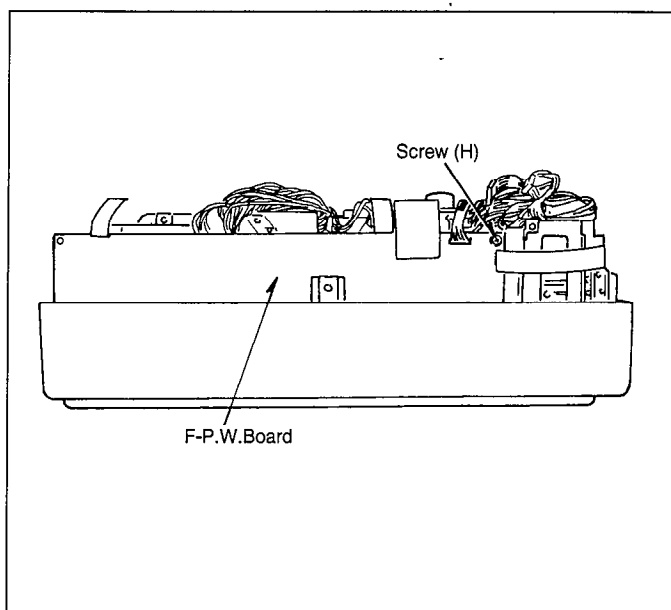


Fig. 5

Note:

Insert the F-P.W. Board into the slot of the Bottom Case to secure the board.

5. Removal of J-P.W. Board

1. Remove 2 screws (I).
2. Disconnect each connector, remove the J-P.W. Board.

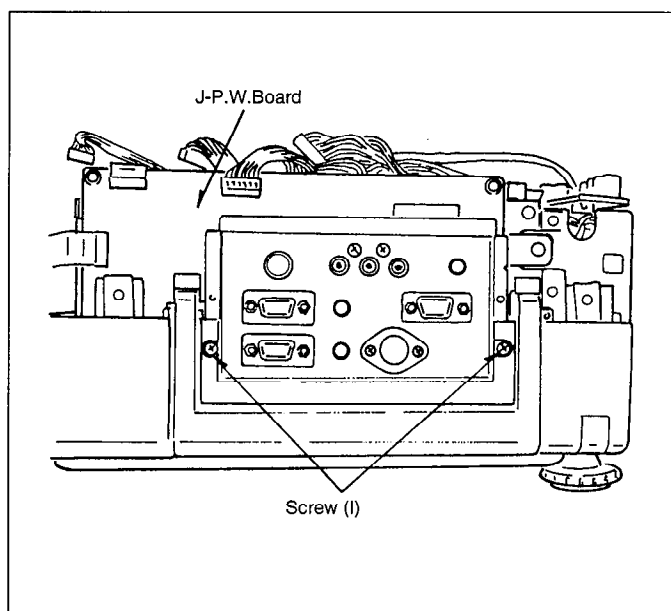


Fig. 6

6. Removal of Ballast Unit

1. Remove 4 screws (J), and remove the earth joint Angleiron.
2. Remove 2 screws (K), and remove the cooling duct.
3. Disconnect 2 connectors on the Bimetal.

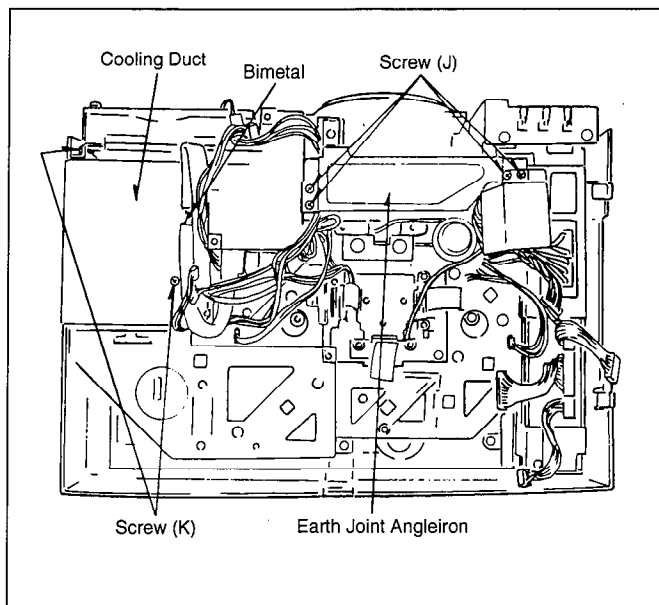


Fig. 7

4. Remove 2 screws (L), and remove the lamp socket.
5. Remove 3 screws (M).
6. Disconnect each connector on the Ballast Unit, and carefully pull out the Ballast Unit toward upper.

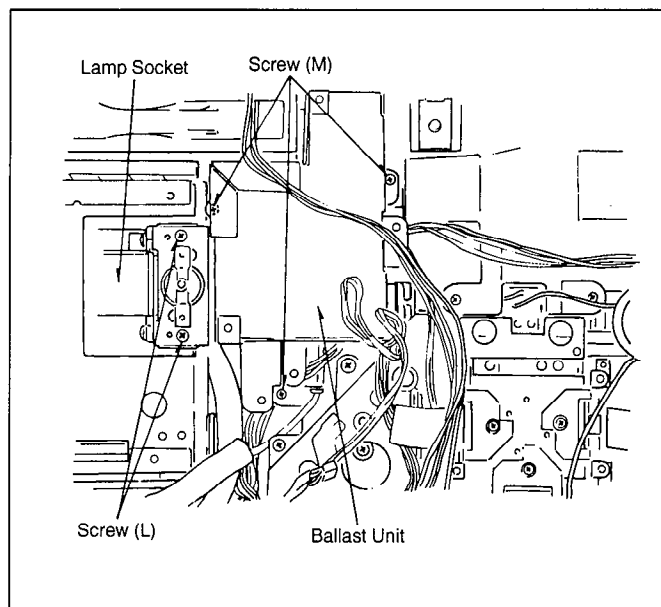


Fig. 8

7. Removal of Optical Block Unit

1. Remove 4 screws (N), and remove the lamp box unit with the lamp fan.
2. Remove 4 screws (O) and 2 screws (P), and carefully pull out the Optical Block Unit.

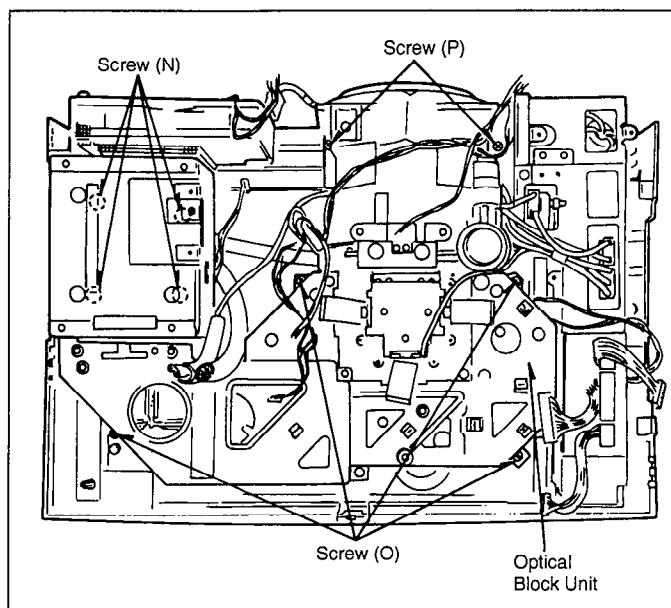


Fig. 9

8. Removal of P-P.W. Board and K-P.W. Board

1. Remove 4 screws (Q).
2. Disconnect each connector, and remove the power supply unit.

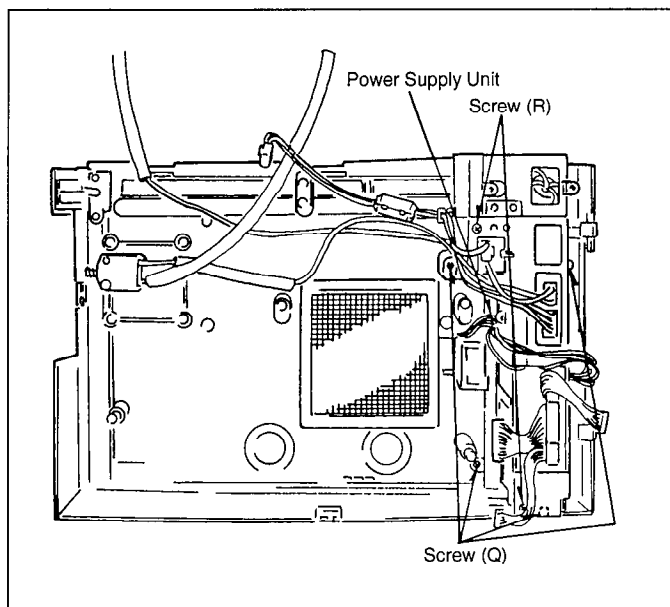


Fig. 10

3. Remove 2 screws (R), and disconnect a connector (K2) on the K-P.W. Board.
4. Remove 4 screws (S), and remove the K-P.W. Board.

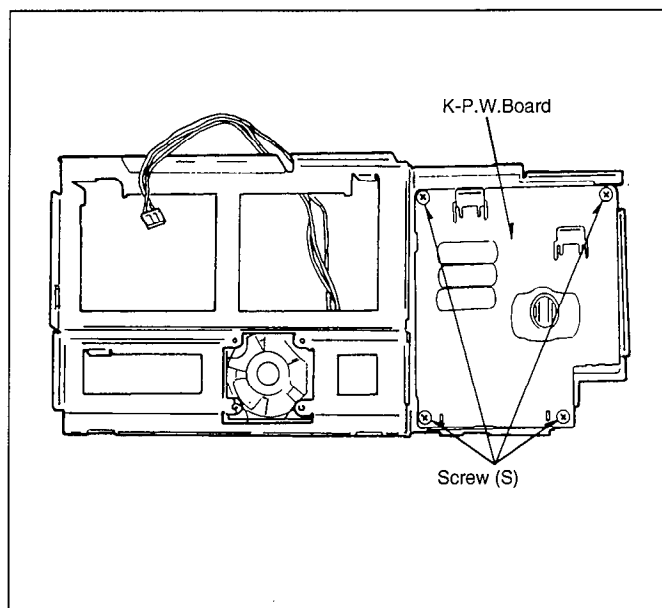


Fig. 11

5. Remove 2 screws (T) and 3 spacer (U).
6. Disconnect each connector, and remove the P-P.W. Board.

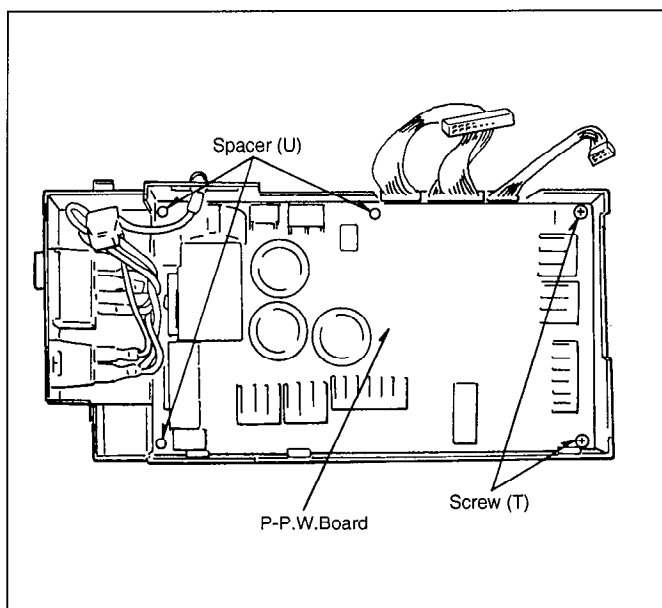


Fig. 12

■Disassembly of Ballast Unit

1. Remove 2 screws (a), and remove the Ballast unit case cover.

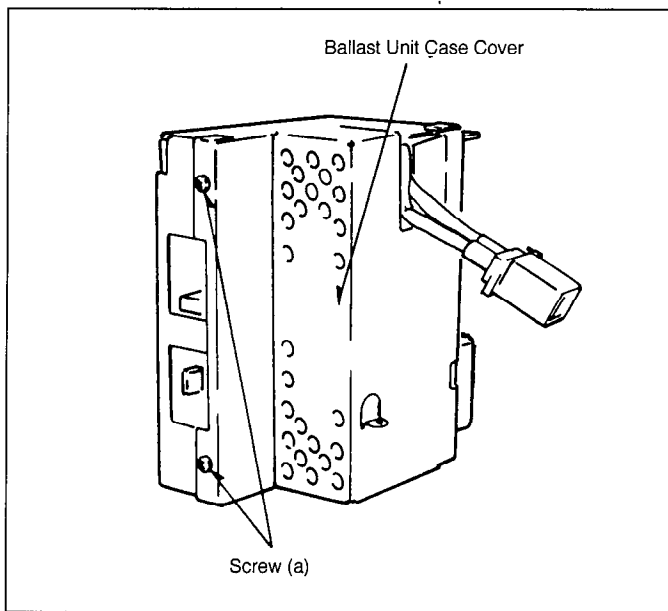


Fig. 13

2. Remove a screw (b).
3. Cut off 3 spacers (c) from back of this unit case, and remove the Ballast Board.

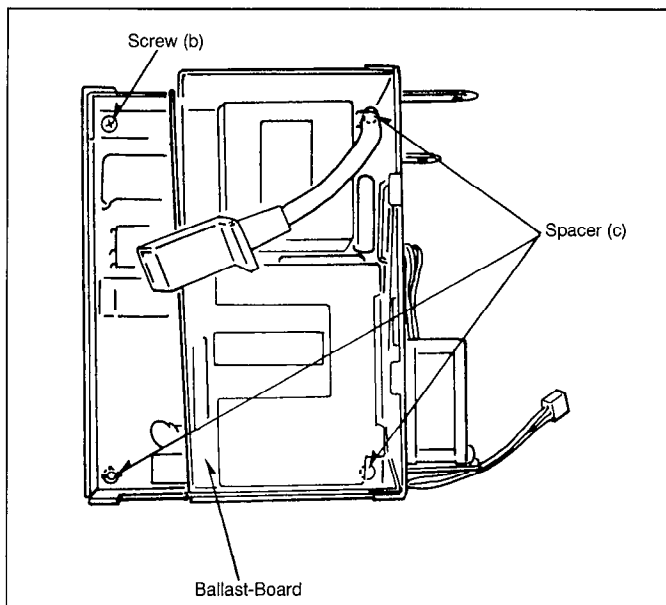


Fig. 14

■Disassembly of Optical Block Unit

1. Remove 4 screws (d), and remove the Lens Dust Cover.

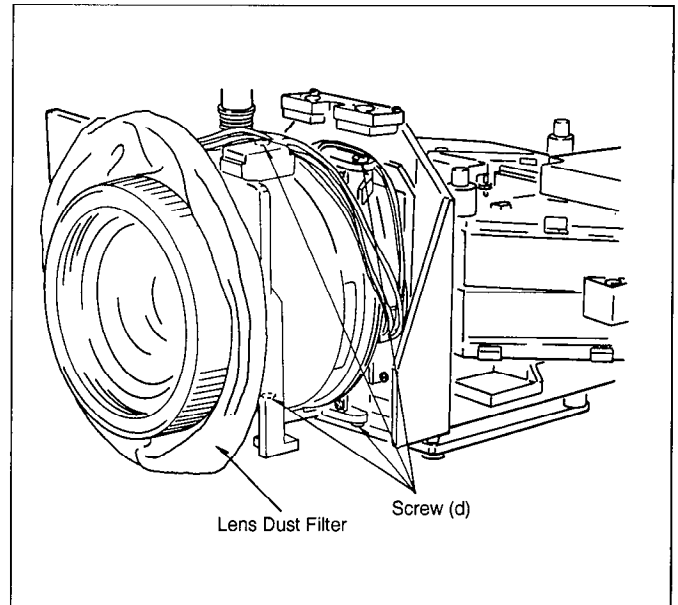


Fig. 15

2. Remove 4 Hex screw (e), and remove the Lens Unit.

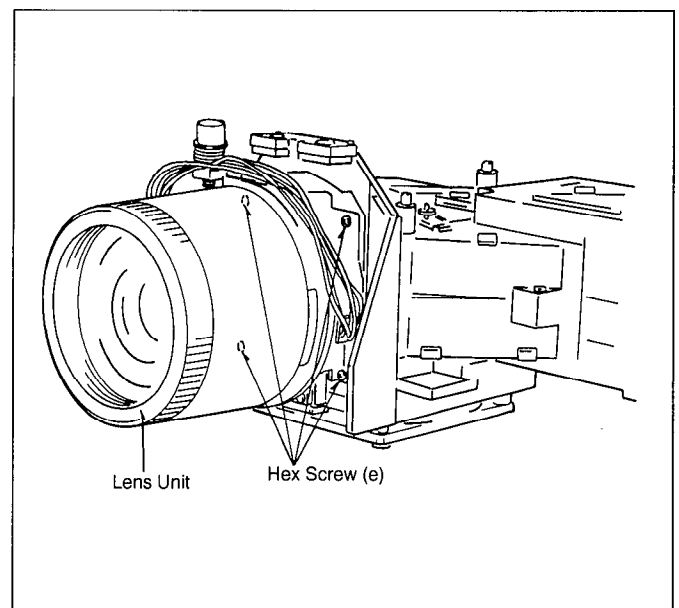


Fig. 16

■Removal of LCD Unit

- Remove 3 screws (f), and remove LCD Unit (RED).
- Remove 3 screws (g), and remove LCD Unit (GREEN).
- Remove 3 screws (h), and remove LCD Unit (BLUE).

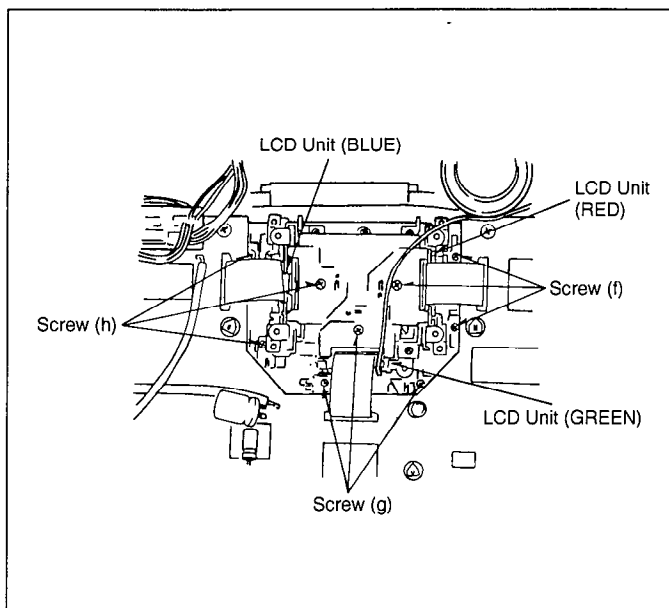


Fig. 17

ATTENTION:

ADJUSTMENT PROCEDURE should be performed after exchanging the LCD Unit (LCD PANEL).

■Extension cables

- Use the extension cable when each P.W. Board is checked because there is insufficient space to troubleshoot the board.
- Necessary extension cables are as following table.

Ref. No.	Kind of extension cables	Part No.	Kit No.
(A)	5 Pin	TXJA08VHF6	TZCK3NVHF6
(B)	12 Pin	TXJA10VHF6	
(C)	6 Pin	TXJJ01VHF6	
(D)	2 Pin	TXJP01VHF6	
(E)	P2: 5 Pin/B1: 4 Pin	TXJB01VHF6	
(F)	3 Pin	TXJB02VHF6	

- Connect each P.W. Board by extension cables as shown.

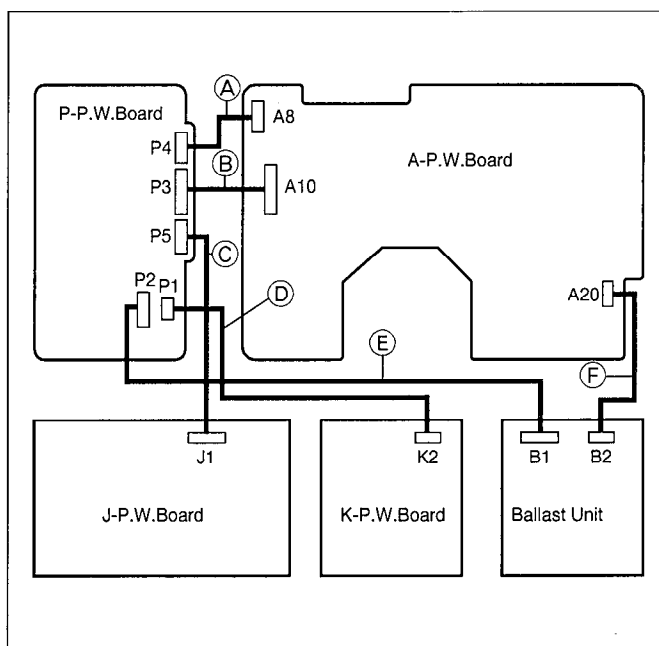
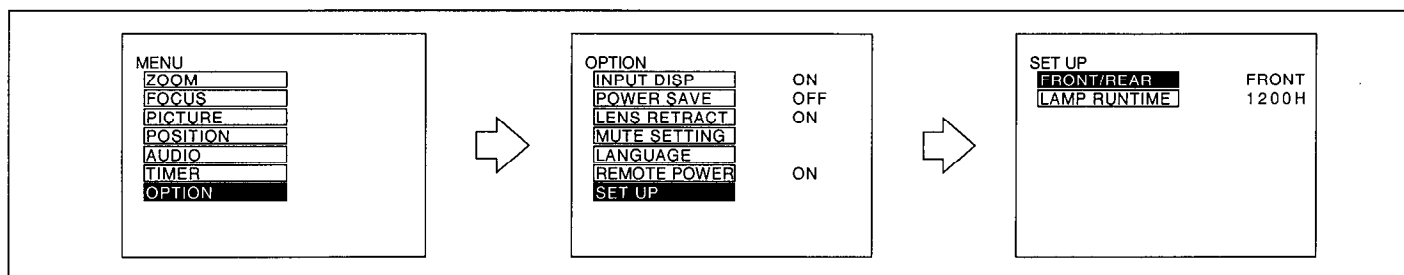


Fig. 18

SELF-DIAGNOSIS FUNCTION

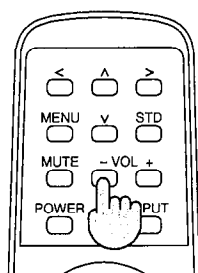
Switching Procedure to the Self-Diagnosis Mode

1. Press the MENU button to display the MENU screen.
2. Press the “^” and “V” buttons to select “OPTION”.
3. Press the “<” and “>” buttons to display the OPTION screen.
4. Press the “^” and “V” buttons to select “SET UP”.
5. Press the “<” and “>” buttons to display the SET UP screen.
6. Press the “^” and “V” buttons to select “FRONT/REAR”.

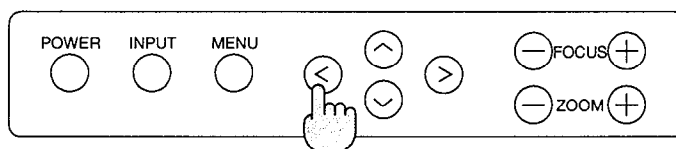


7. Keep the “VOL -” button of the remote control pressed and press the Arrow “<” button on the main unit for at least 3 sec.

Remote Control Unit



Projector control panel



Self-Diagnosis (Self-Check) Screen and Error Locations

Self-Diagnosis (Self-Check) Screen			
SELF CHECK			
LAMP TIME	0000H	Total On Time for Optical Lamp.	Check I ² C Bus Communication (A-P.W. Board)
IC1	OK	Video Processor IC (IC1009)	
IC2	OK	E ² PROM (IC7001)	
IC3	OK	DAC1 (IC7010)	
IC4	OK	DAC2 (IC7011)	
IC5	OK	DAC3 (IC7015)	
IC6	OK	DAC4 (IC7016)	Reason Lamp Does Not Turn On
LAMP	OK	Optical Lamp Error	
TEMP	OK	Temperature Error	
2800H	OK	Excess Cumulative On Time for Optical Lamp	
FAN	OK	Cooling Fan Stopped (one of the Three fans)	
SUM	OK	Program Error in Microcomputer (IC7000)	A-P.W. Board

Results of Self-Check

- When the unit enters Self-Check the above screen appears, allowing the user to identify the location of the error.
- [OK]..... Normal, [-]..... Error

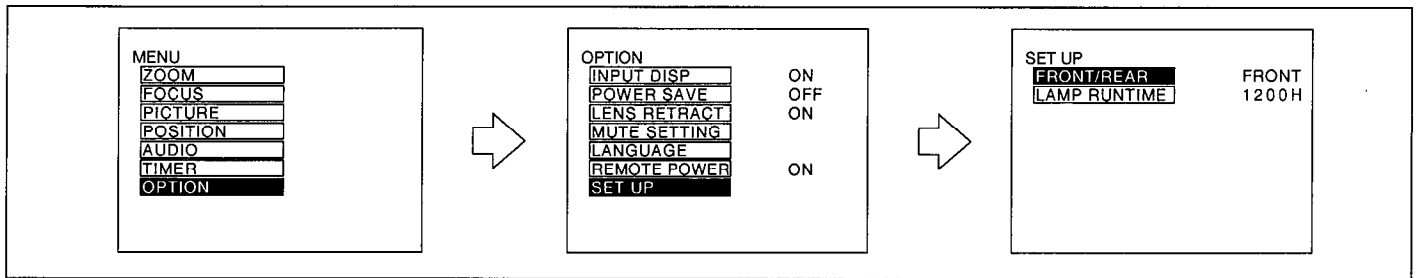
Canceling

- The Self-Check screen can be canceled by pressing the “MENU” button on the main unit or the remote control unit.

Service Mode Functions

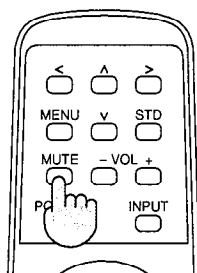
■ Procedure to enter Service Mode

1. Press the MENU button to display the MENU screen.
2. Press the "∧" and "∨" buttons to select "OPTION".
3. Press the "<" and ">" buttons to display the OPTION screen.
4. Press the "∧" and "∨" buttons to select "SET UP".
5. Press the "<" and ">" buttons to display the SET UP screen.
6. Press the "∧" and "∨" buttons to select "FRONT/REAR".

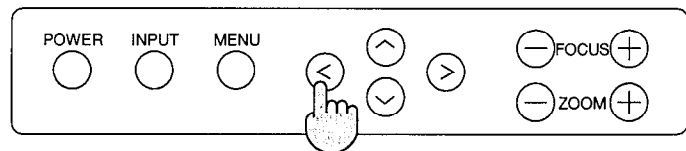


7. Keep the "MUTE" button of the remote control pressed and press the Arrow "<" button on the main unit for at least 3 sec.

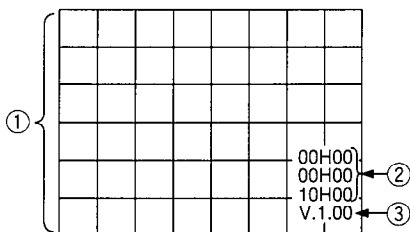
Remote Control Unit



Projector control panel



■ Service Mode Image



① Crosshatch Pattern Display

The crosshatch pattern display is used for the convergence adjustment. The color changes (into 7 colors) with each press of the '<' button on the main body's control panel.

② Display of Lighting Time of Replaced Lamps

Displays the cumulative hours of replaced lamps in the past.

③ Microcomputer Version Display

Displays the version number of the microcomputer used for this machine.

■ Canceling

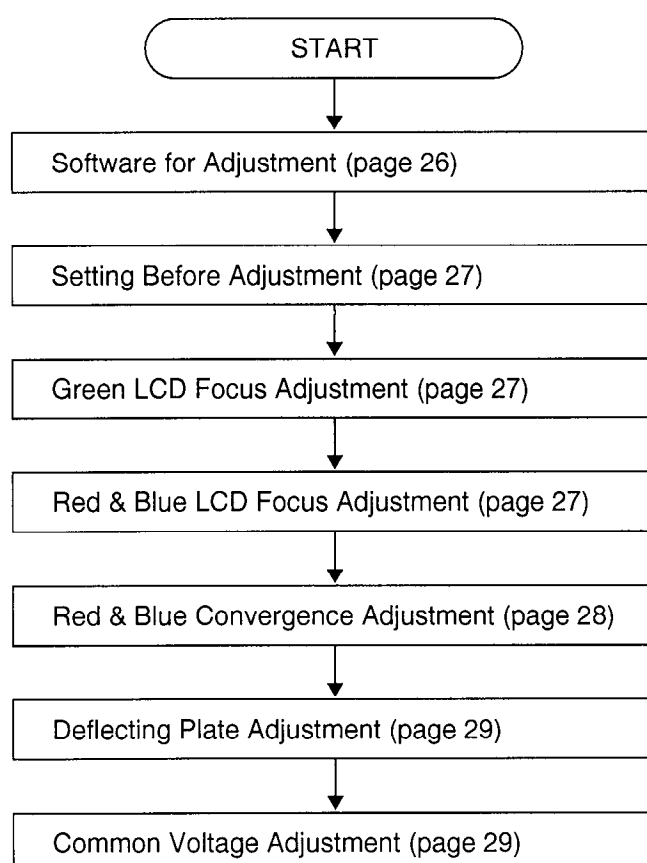
- Service Mode functions can be canceled by pressing the "MENU" button on the main unit.

Measurements and Adjustments

Contents

	Page
ADJUSTMENT PROCEDURE FLOWCHART	25
LOCATION OF TEST POINTS AND CONTROLS	25
CAUTION FOR SERVICING	26
ADJUSTMENT PROCEDURE	26
CHECKING POINT PROCEDURE	31

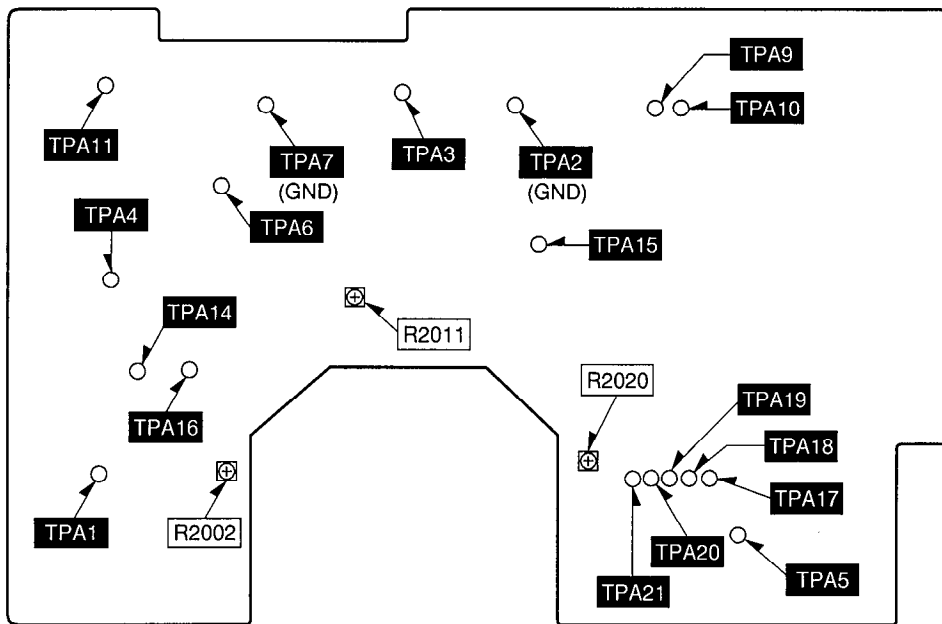
ADJUSTMENT PROCEDURE FLOWCHART



LOCATION OF TEST POINTS and CONTROLS

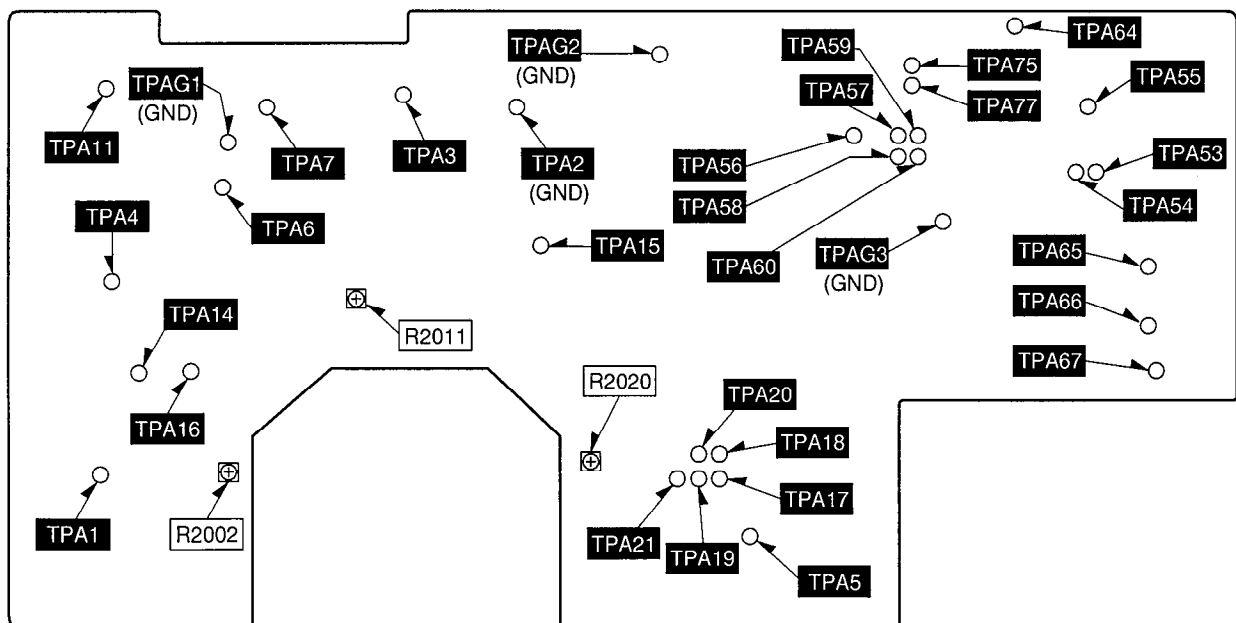
● PT-L592E/EG/EA

A-P.W. Board (Component Side)



● PT-L392E/EG/EA

A-P.W. Board (Component Side)



CAUTION FOR SERVICING

■ Cautions for Servicing

- Do not turn off the Main Power Switch until the fan has completely stopped.
 - To maintain and insure safety, always use designated components for replacement parts. Further, if you have removed any clamps, leads or connectors, always place them back in their proper locations.
- Be careful not to damage the leads or parts when using a soldering iron or similar tool.

■ Lamp Unit

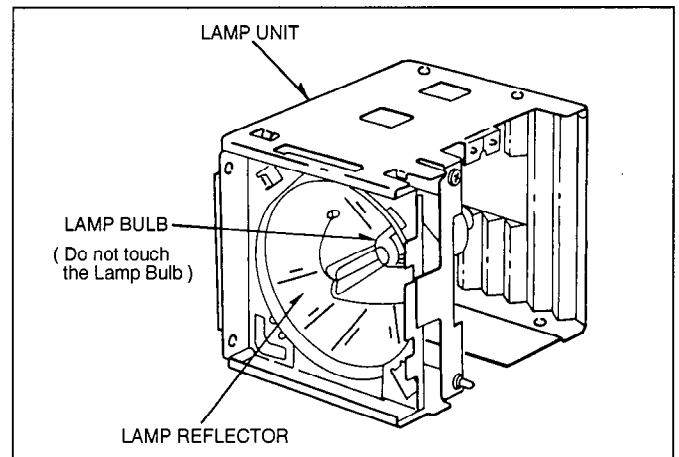


Fig. 1

- Do not use too much force on the Lamp Reflector or the Lamp Bulb, or subject them to unnecessary shocks, since they are both made of glass.
Be particularly careful when handling the Lamp Bulb as the area around the attachment section is easily broken.
- Do not touch the Lamp Bulb, since any scratches or soiling on the bulb may cause the Lamp Bulb to break when it turns on.
- If the Lamp Reflector is Soiled.
Clean by wiping the surface gently with a soft and dry cloth.
- Always wear protective goggles when looking at the light from the Lamp Unit.

ADJUSTMENT PROCEDURE

■ Software for Adjustment

- Computer-aided adjustment should be made to this projector.
Call Customer Service Department for details of the adjusting software when ADJUSTMENT PROCEDURE becomes necessary.
- Read instructions of the manual attached to the software and install it only as directed.

- Start ADJUSTMENT PROCEDURE after connecting an RGB signal cable between computer and projector as shown in the following figure. (Do not make a connection when adjusting polarizing plate.)

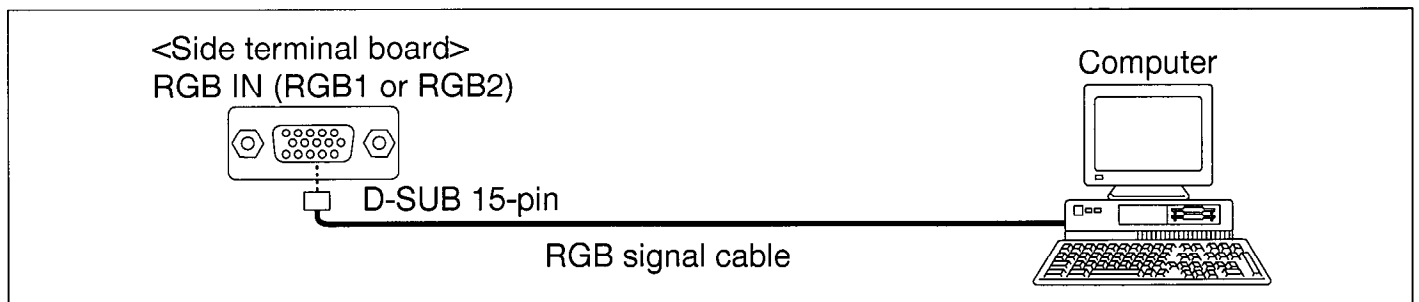


Fig. 2

■ Settings Before Adjustment

1. Press the ZOOM (+) buttons on the operation panel on the top of the projector to adjust the largest size of the picture.
2. Locate the projector at a place so that 1 meter projection distance will be maintained.
3. Turn the focus ring leftward fully when viewed from the front side of the projector, and ensure that 30"-wide projected image is obtained.

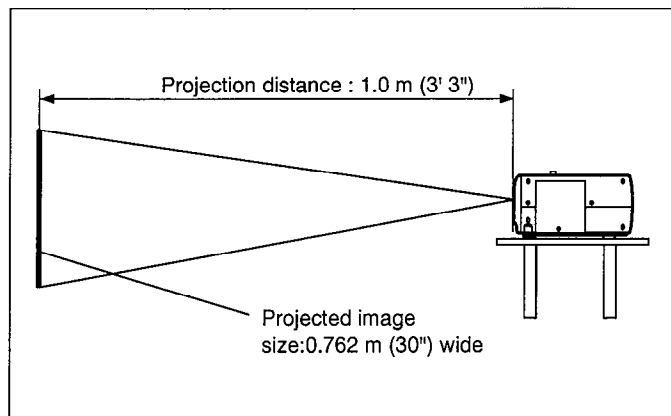


Fig. 2

■ Green LCD Focus Adjustment

1. **EQUIPMENT TO BE USED**
Computer (adjusting software preinstalled computer)
2. **INITIAL CONDITION**
PICTURE SIZE 0.762 m (30") wide
3. **ADJUSTMENT**
 1. Input Green Single dot pattern image into RGB IN (RGB1 or RGB2) by running the adjusting software.
 2. Adjust the Focus ring so that the entire image on the screen is displayed in balance.
 3. Loosen 3 screws (B).
 4. Handle the LCD Unit (Green) to obtain correct focus of the screen both vertically and laterally.
 5. Tighten 3 screws (B).

ATTENTION: Never handle the focus ring after completion of the Green LCD Focus Adjustment till when any other adjusting operation is finished.

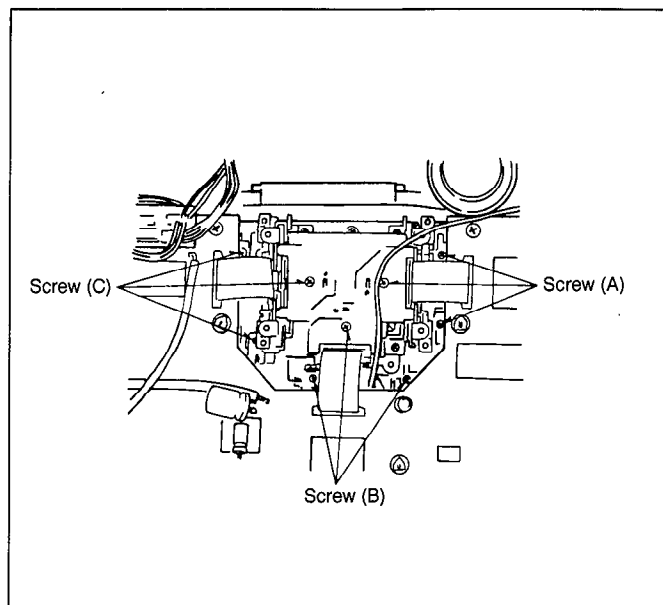


Fig. 3

■ Red & Blue LCD Focus Adjustment

1. **EQUIPMENT TO BE USED**
Computer (adjusting software preinstalled computer)
2. **INITIAL CONDITION**
PICTURE SIZE 0.762 m (30") wide
3. **ADJUSTMENT**
 1. This adjustment should be made after performing Green LCD Focus Adjustment.

<Red LCD Focus Adj.>

 2. Input Red Single dot pattern image into RGB IN (RGB1 or RGB2) by running the adjusting software.
 3. Loosen 3 screws (A). (See Fig. 3)
 4. Handle the LCD Unit (Red) to obtain correct focus of the screen both vertically and laterally.
 5. Tighten 3 screws (A).
 6. Always perform the Red & Blue Convergence Adjustment.

<Blue LCD Focus Adj.>

 7. Input Blue Single dot pattern image into RGB IN (RGB1 or RGB2) by running the adjusting software.
 8. Loosen 3 screws (C). (See Fig. 3)
 9. Handle the LCD Unit (Blue) to obtain correct focus of the screen both vertically and laterally.
 10. Tighten 3 screws (C).
 11. Always perform the Red & Blue Convergence Adjustment.

■ Red & Blue Convergence Adjustment

1. EQUIPMENT TO BE USED

Computer (adjusting software preinstalled computer)

2. INITIAL CONDITION

PICTURE SIZE 0.762 m (30") wide

3. ADJUSTMENT

1. This adjustment should be made after performing both the Green LCD Focus Adjustment and the Red & Blue LCD Focus Adjustment, in order to bring the Red & Blue images into convergence, based on the standard for the Green image.

<Red Convergence Adj.>

2. Input Red & Green crosshatch pattern image into RGB IN (RGB1 or RGB2) by running the adjusting software.
3. Turn 3 hexagonal adjusting screws (Rc1, Rc2 and Rc3) for the Red & Green crosshatch pattern image to obtain correct position by referring Table 1.

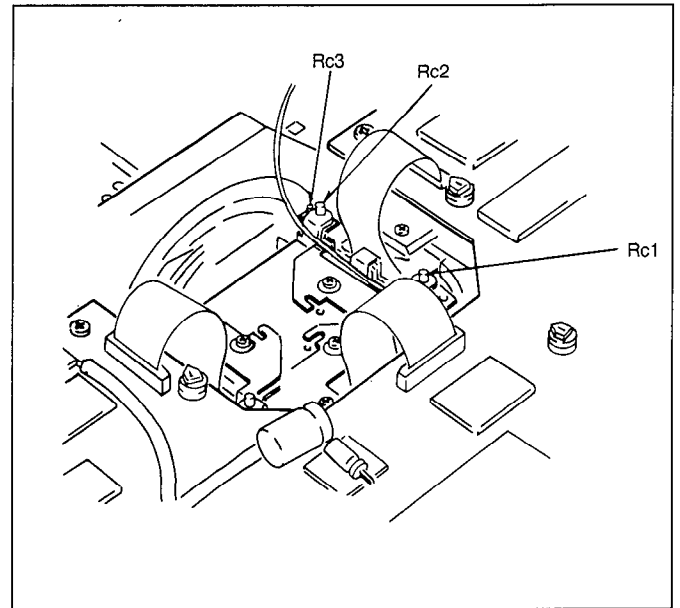


Fig. 4

Hexagonal Adjusting Screw	Rotation	Response of Screen	Image
Rc1, Bc1	Clockwise	Screen rotates clockwise around P1 in the lower right corner of the screen.	
	Counterclockwise	Screen rotates counterclockwise around P1 in the lower right corner of the screen.	
Rc2, Bc2	Clockwise	Screen rotates counterclockwise around P2 in the lower left corner of the screen.	
	Counterclockwise	Screen rotates clockwise around P2 in the lower left corner of the screen.	
Rc3, Bc3	Clockwise	The entire screen moves to the left.	
	Counterclockwise	The entire screen moves to the right.	

Table 1

<Blue Convergence Adj.>

4. Input Blue & Green crosshatch pattern image into RGB IN (RGB1 or RGB2) by running the adjusting software.
5. Turn 3 hexagonal adjusting screws (Bc1, Bc2 and Bc3) for the Blue & Green crosshatch pattern image to obtain correct position by referring Table 1.

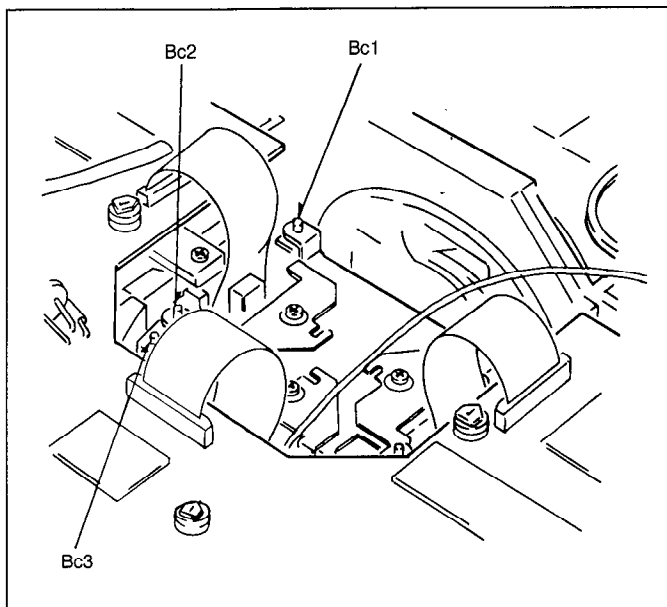


Fig. 5

6. Input the crosshatch pattern image into RGB IN.
7. Confirm that the Red & Blue crosshatch pattern aligns exactly with the Green crosshatch pattern.
8. Repeat steps 2-7 if there is any distortion.

■ Deflecting Plate Adjustment

1. EQUIPMENT TO BE USED

Epoxide Resin Adhesive

2. INITIAL CONDITION

BACK COLOR BLACK

3. ADJUSTMENT

1. Nothing should be connected to the input terminal when performing this adjustment.

<Red Deflecting Plate Adj.>

2. Loosen a screw (Rd).

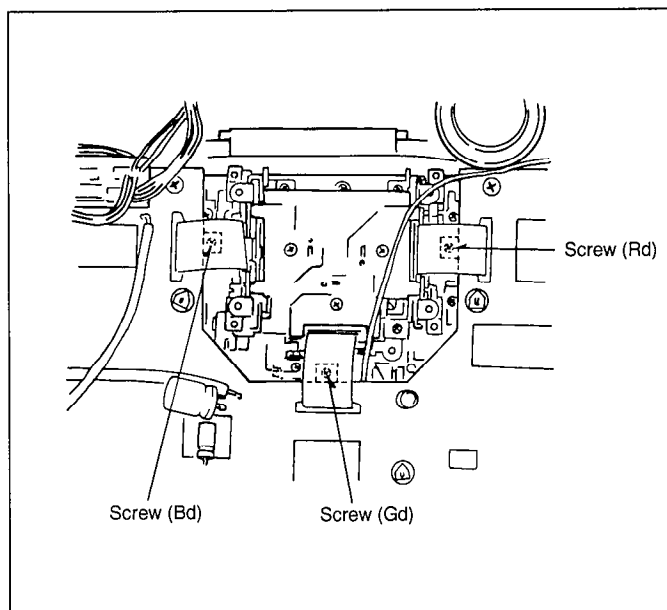


Fig. 6

3. Move the screw (Rd) from side to side to lower black color on the screen as much as possible.
4. Tighten a screw (Rd).
5. Apply adhesive to the screw (Rd) and fix it firmly.

<Green Deflecting Plate Adj.>

6. Loosen a screw (Gd). (See Fig. 6)
7. Move the screw (Gd) from side to side to lower black color on the screen as much as possible.
8. Tighten a screw (Gd).
9. Apply adhesive to the screw (Gd) and fix it firmly.

<Blue Deflecting Plate Adj.>

10. Loosen a screw (Bd). (See Fig. 6)
11. Move the screw (Bd) from side to side to lower black color on the screen as much as possible.
12. Tighten a screw (Bd).
13. Apply adhesive to the screw (Bd) and fix it firmly.
14. Receive signals and check to see that extreme black floating and/or sinking is not observed upon completion of adjustment.

■ Common Voltage Adjustment

1. EQUIPMENT TO BE USED

Computer (adjusting software preinstalled computer)

Digital Voltmeter

Two sheets of Black Papers (The size of the paper should be large enough to shield the light reaching the LCD Unit.)

2. INITIAL CONDITION

PICTURE SIZE 0.762 m (30") wide

3. ADJUSTMENT

1. Input a pattern image marked with continuous alternating white and black stripes into RGB IN (RGB1 or RGB2) by running the adjusting software.

<LCD Unit (Green) Adj.>

2. Connect a digital voltmeter to 2 pin of R2011 and ground.

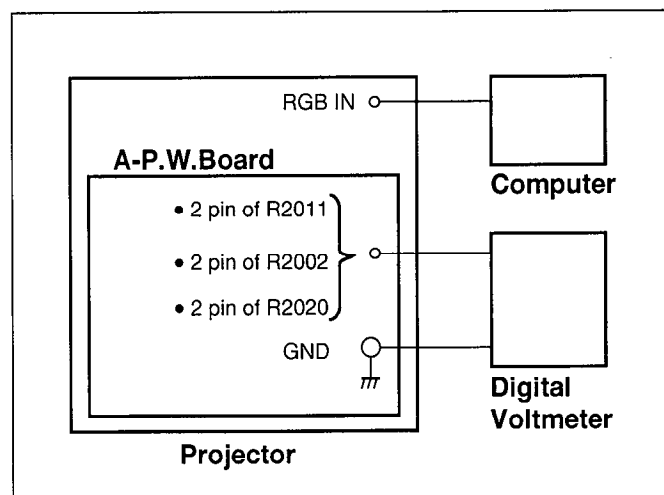


Fig. 7

3. Insert the black paper between ① and ③ so that no light comes from any object other than LCD Unit (Green).

MEMO:

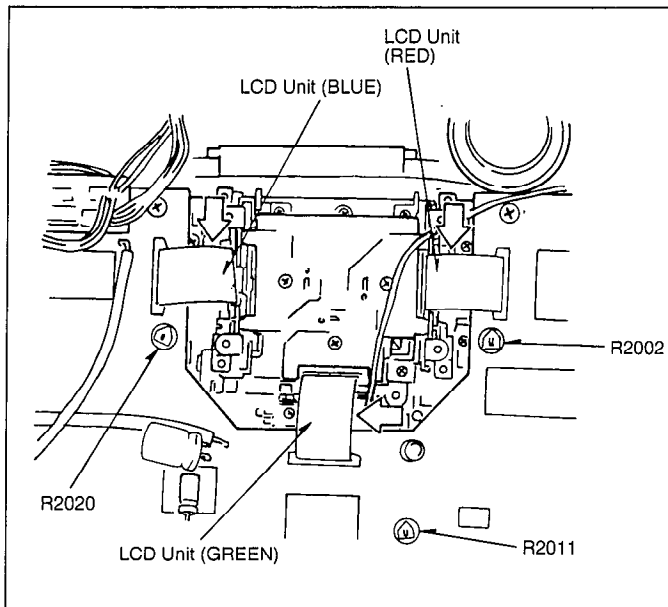


Fig. 8

4. Regulate R2011 to reduce luminance flicker as much as possible.
5. Ensure that the voltage of 2 pin of R2011 shows 4.9V approximately.
6. Regulate R2011 again when the reading shows a figure far from 4.9V.

<LCD Unit (Red) Adj.>

7. Connect a digital voltmeter to 2 pin of R2002 and ground. (See Fig. 7)
8. Insert the black paper between (A) and (B) so that no light comes from any object other than LCD Unit (Red). (See Fig. 8)
9. Regulate R2002 to reduce luminance flicker as much as possible.
10. Ensure that the voltage of 2 pin of R2002 shows 4.9V approximately.
11. Regulate R2002 again when the reading shows a figure far from 4.9V.

<LCD Unit (Blue) Adj.>

12. Connect a digital voltmeter to 2 pin of R2020 and ground. (See Fig. 7)
13. Insert the black paper between (B) and (C) so that no light comes from any object other than LCD Unit (Blue). (See Fig. 8)
14. Regulate R2020 to reduce luminance flicker as much as possible.
15. Ensure that the voltage of 2 pin of R2020 shows 4.9V approximately.
16. Regulate R2020 again when the reading shows a figure far from 4.9V.

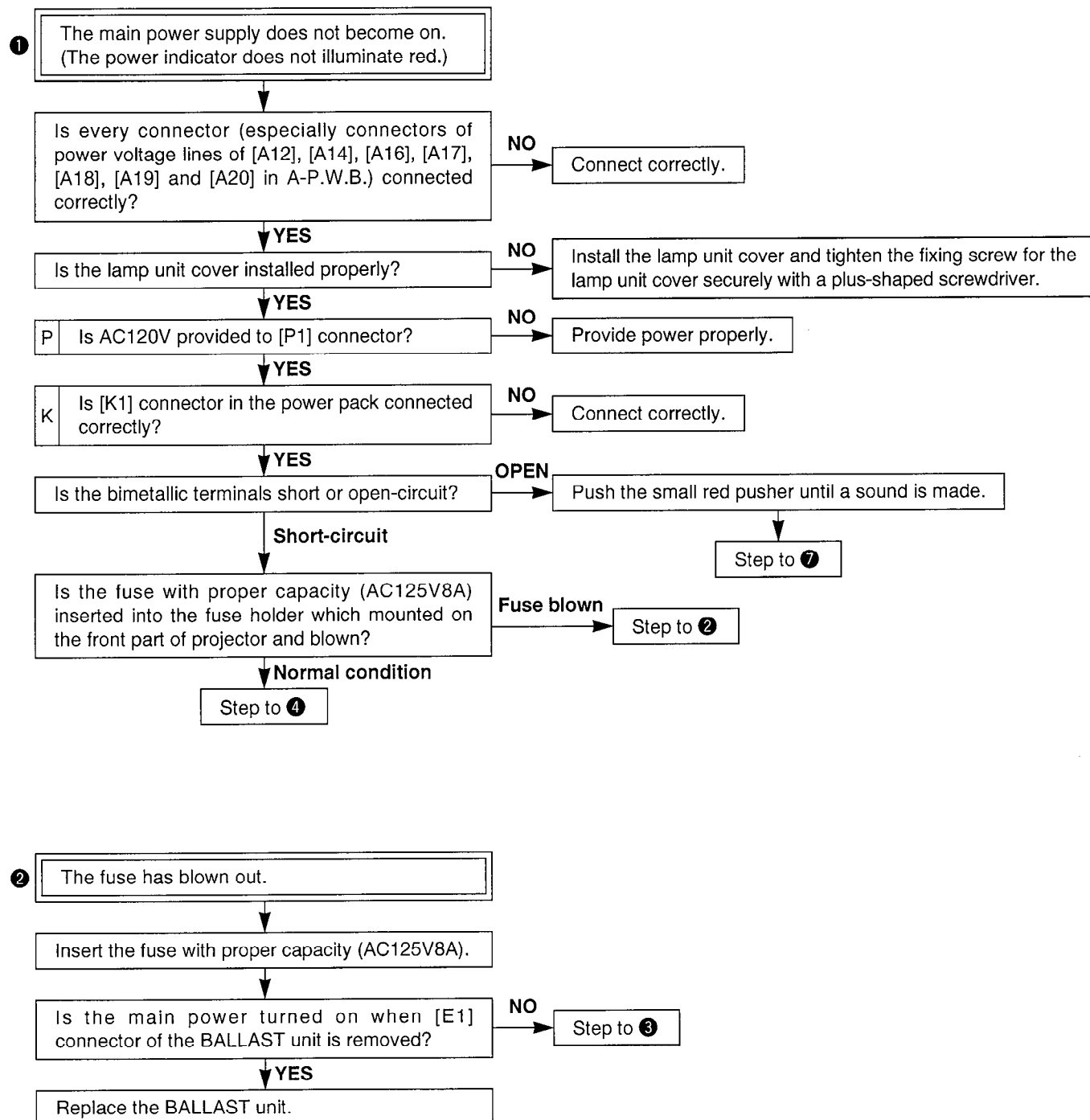
Checking Point Procedure

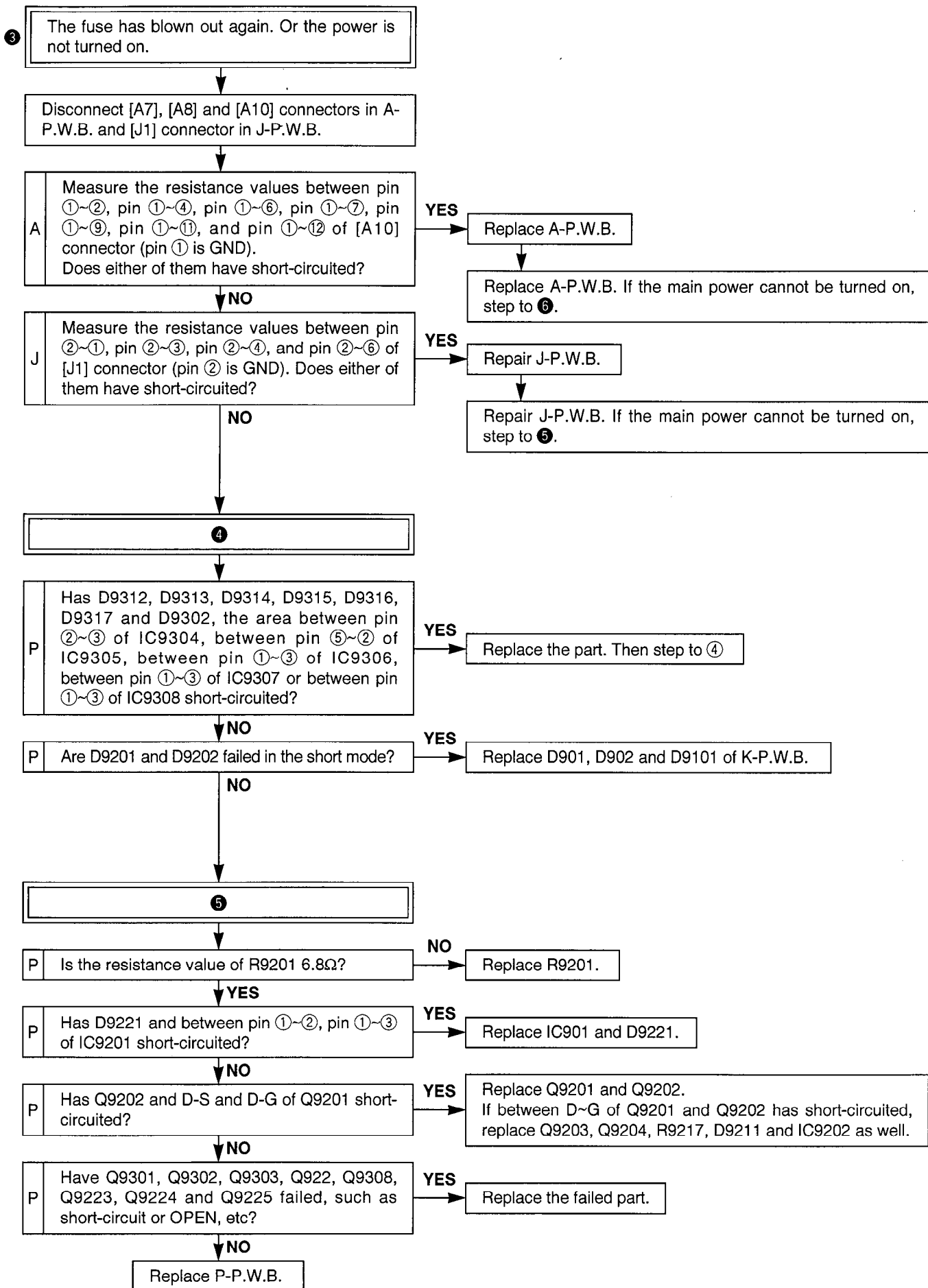
- The letters in front of the inspection outline items indicate the P.W. boards related to the respective item.

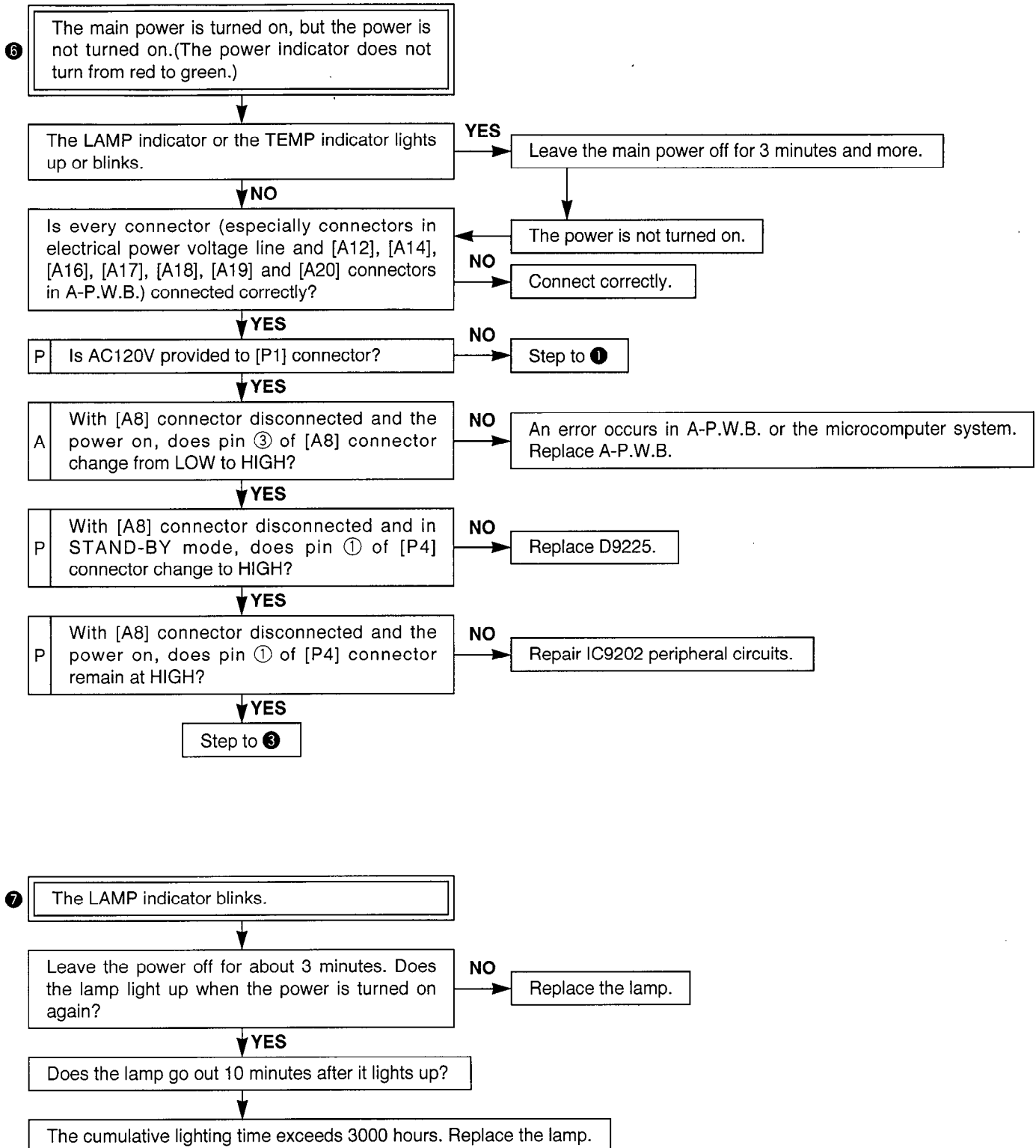
Note: **A**

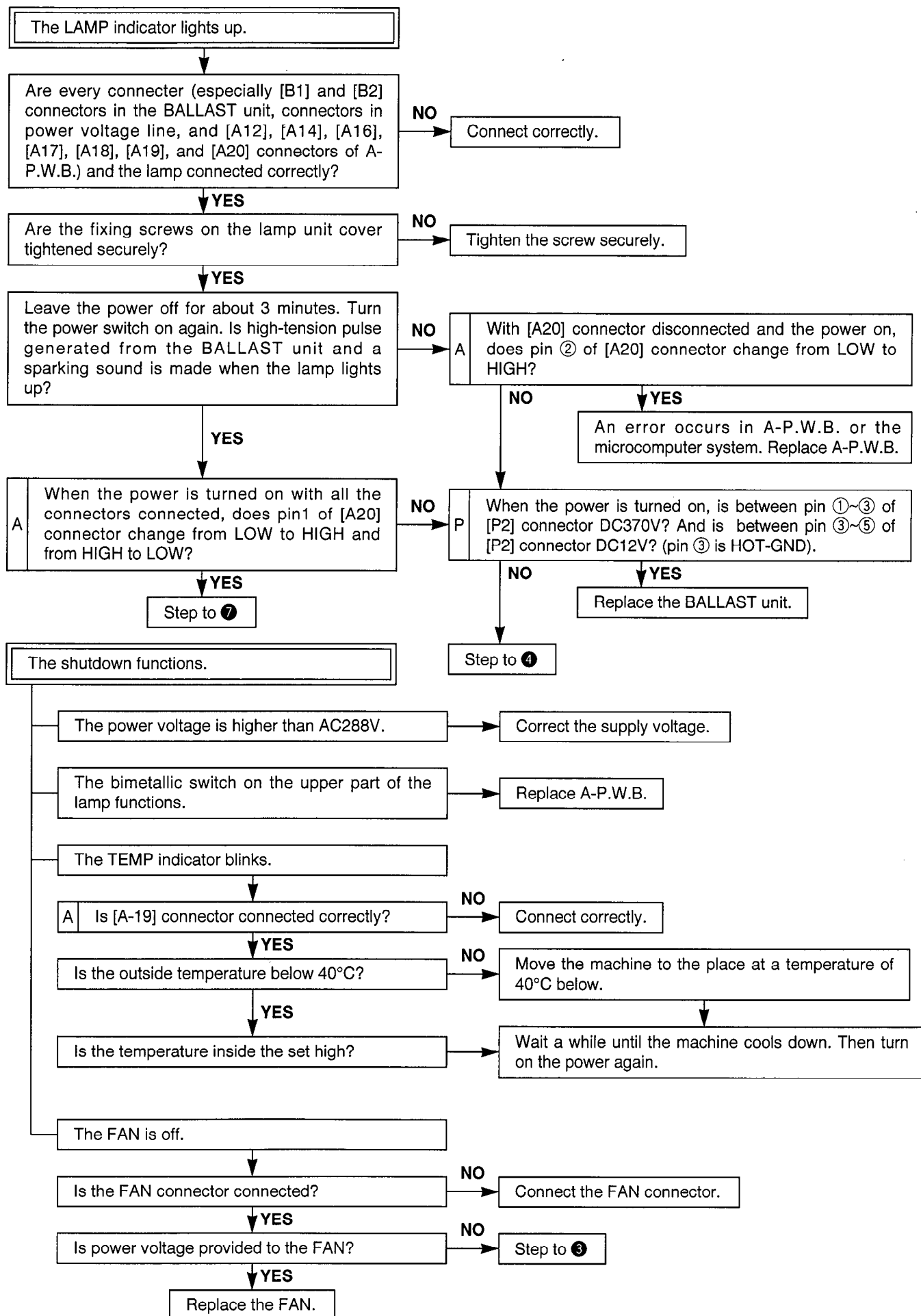
The Alphabet indicates the P.W. Board Name.

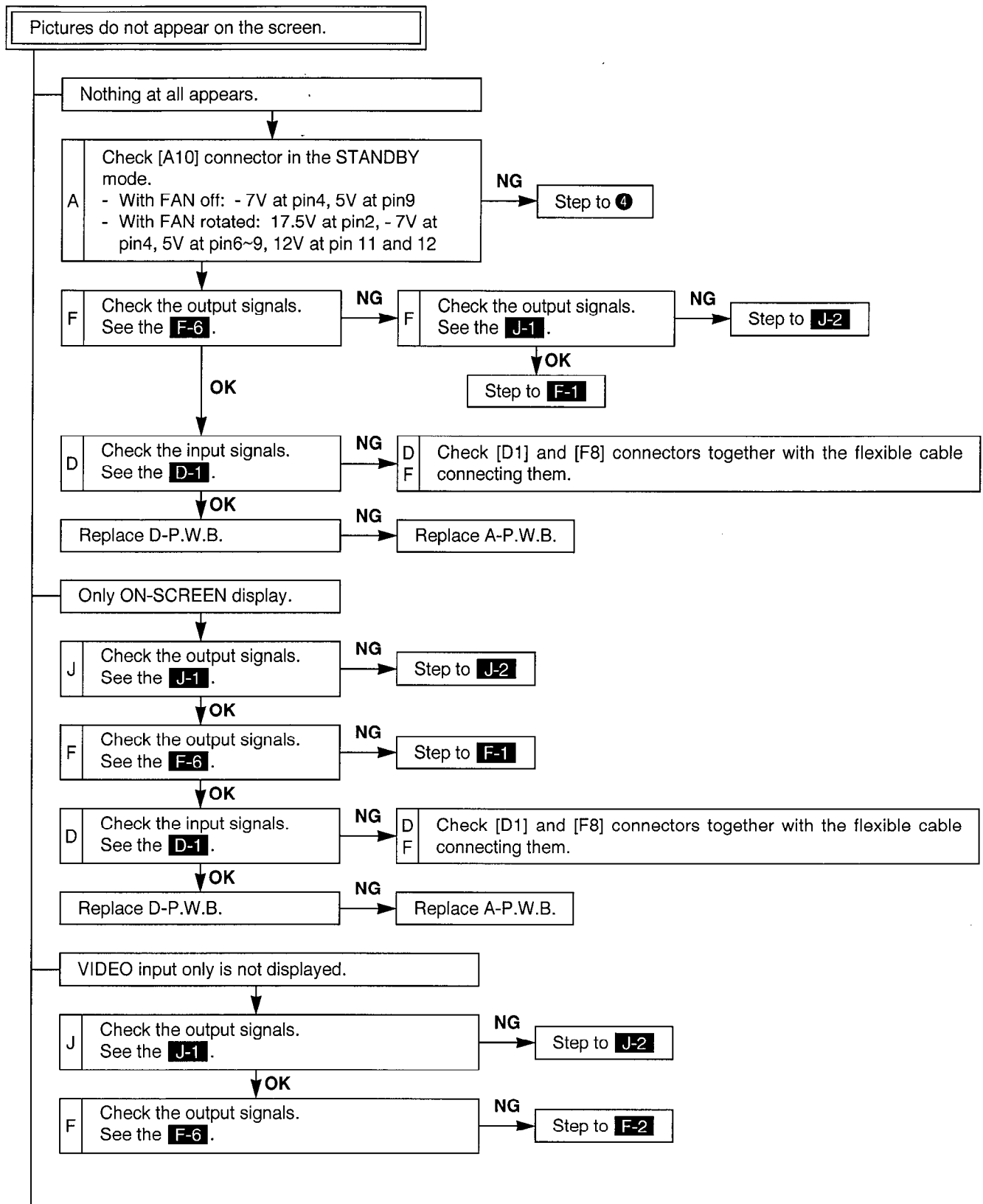
- If you replace the A-P.W. Board, first mount the IC7000 (microcomputer) onto the new board, and then install the board.



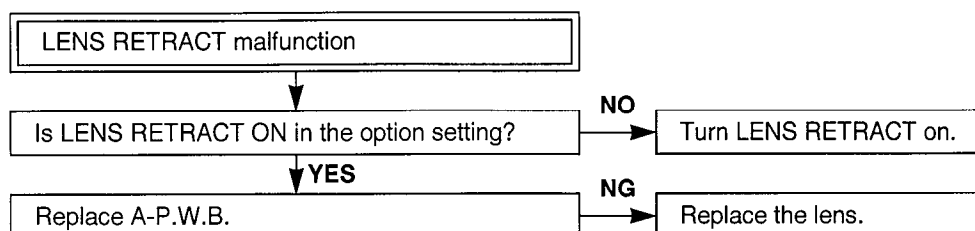
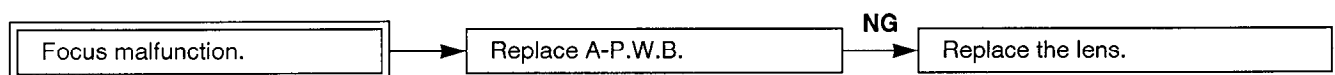
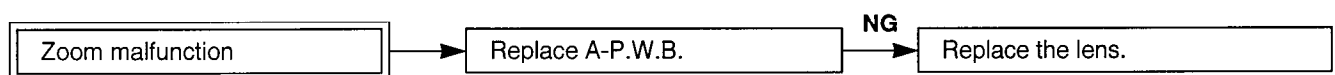
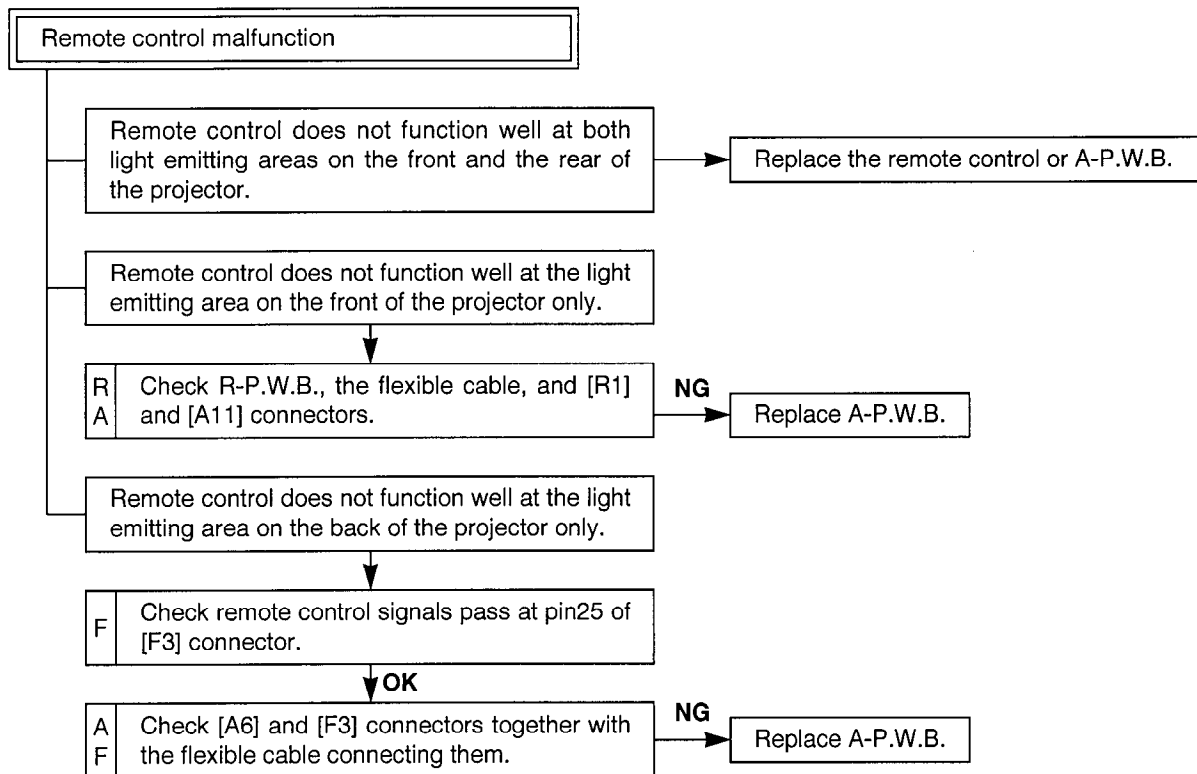
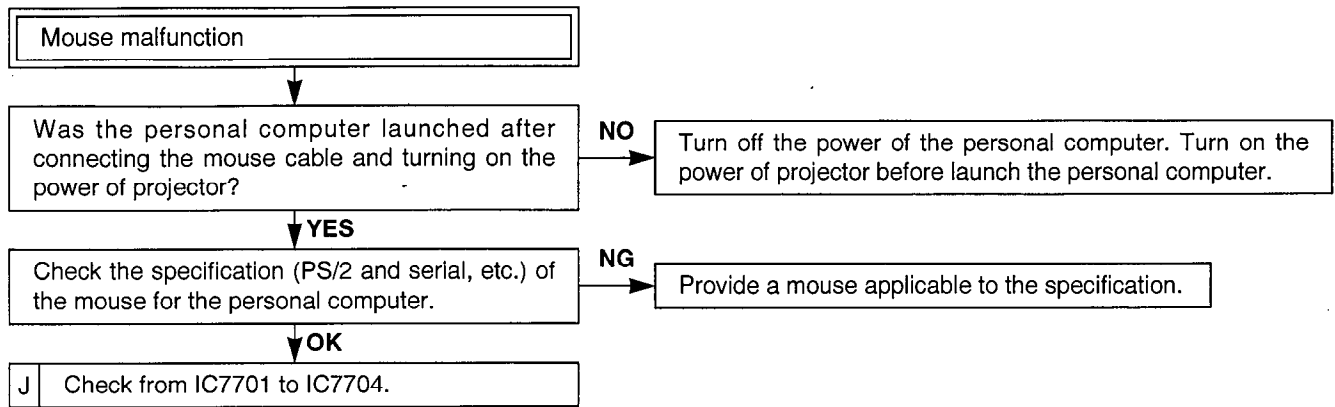


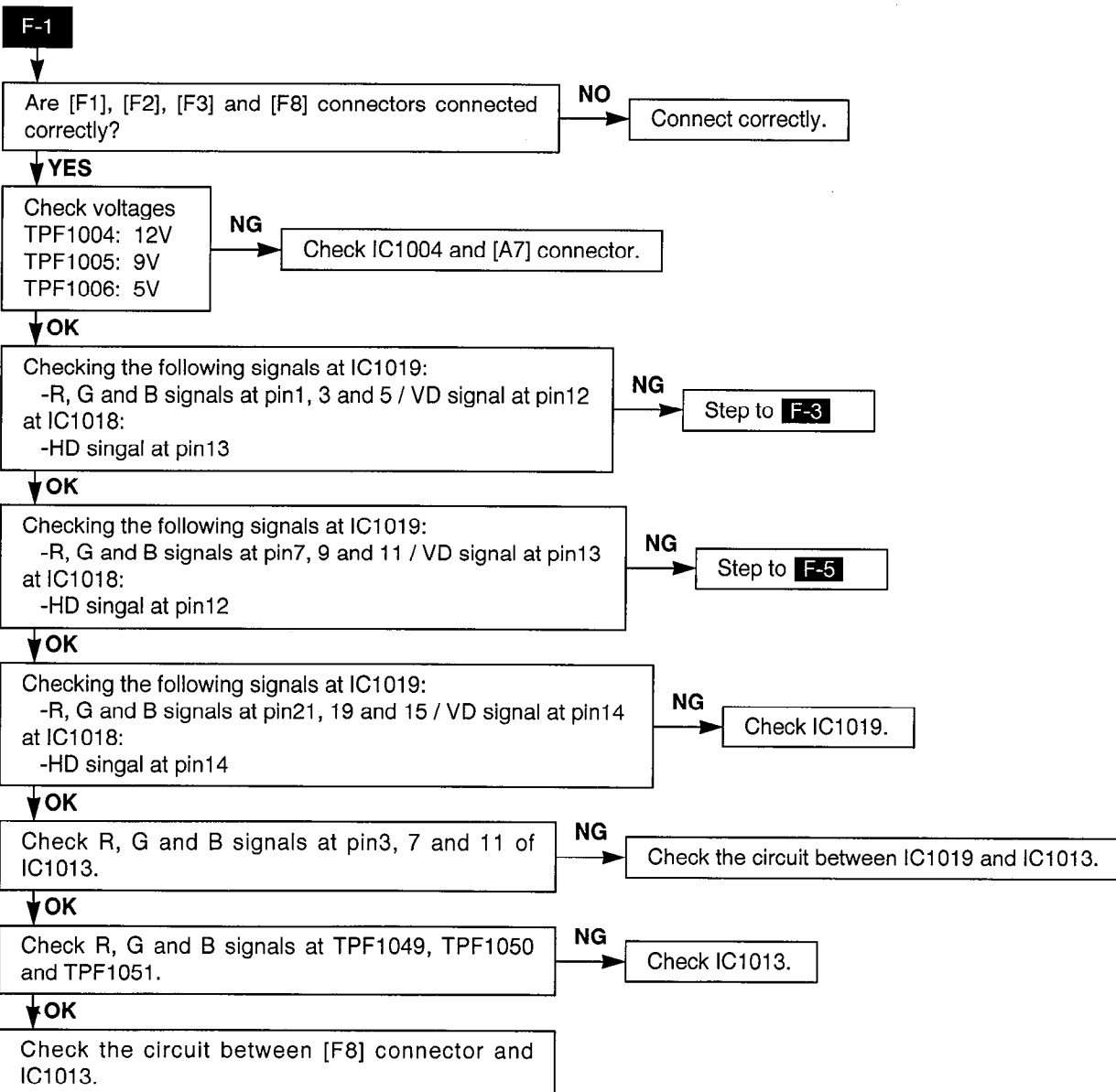
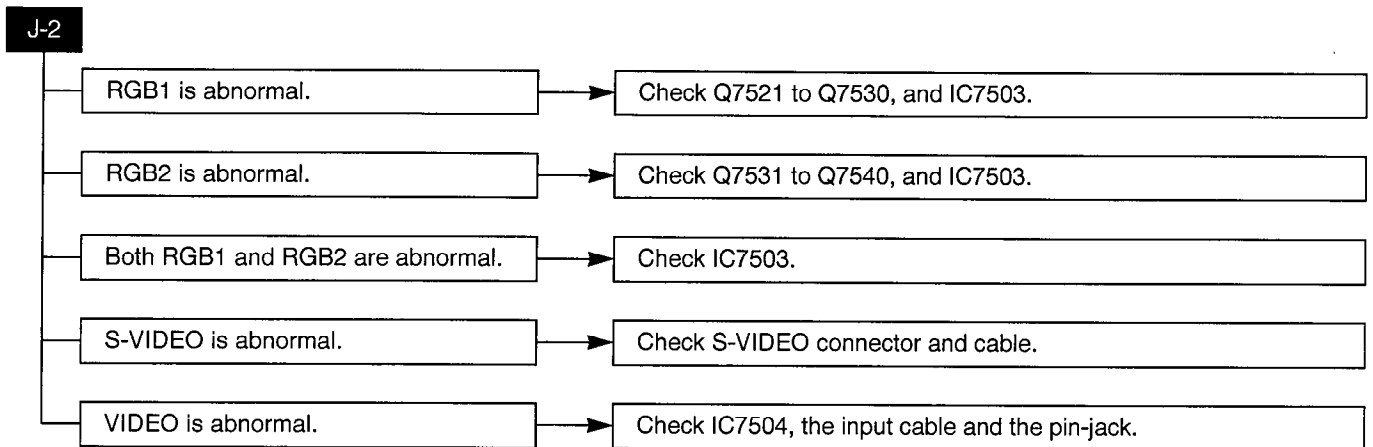
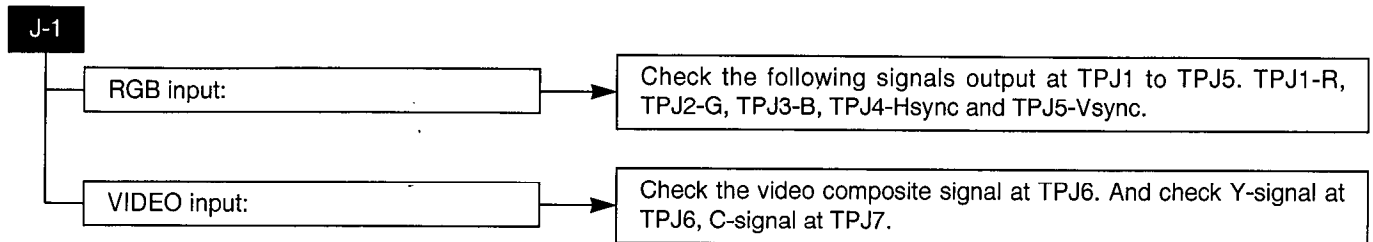


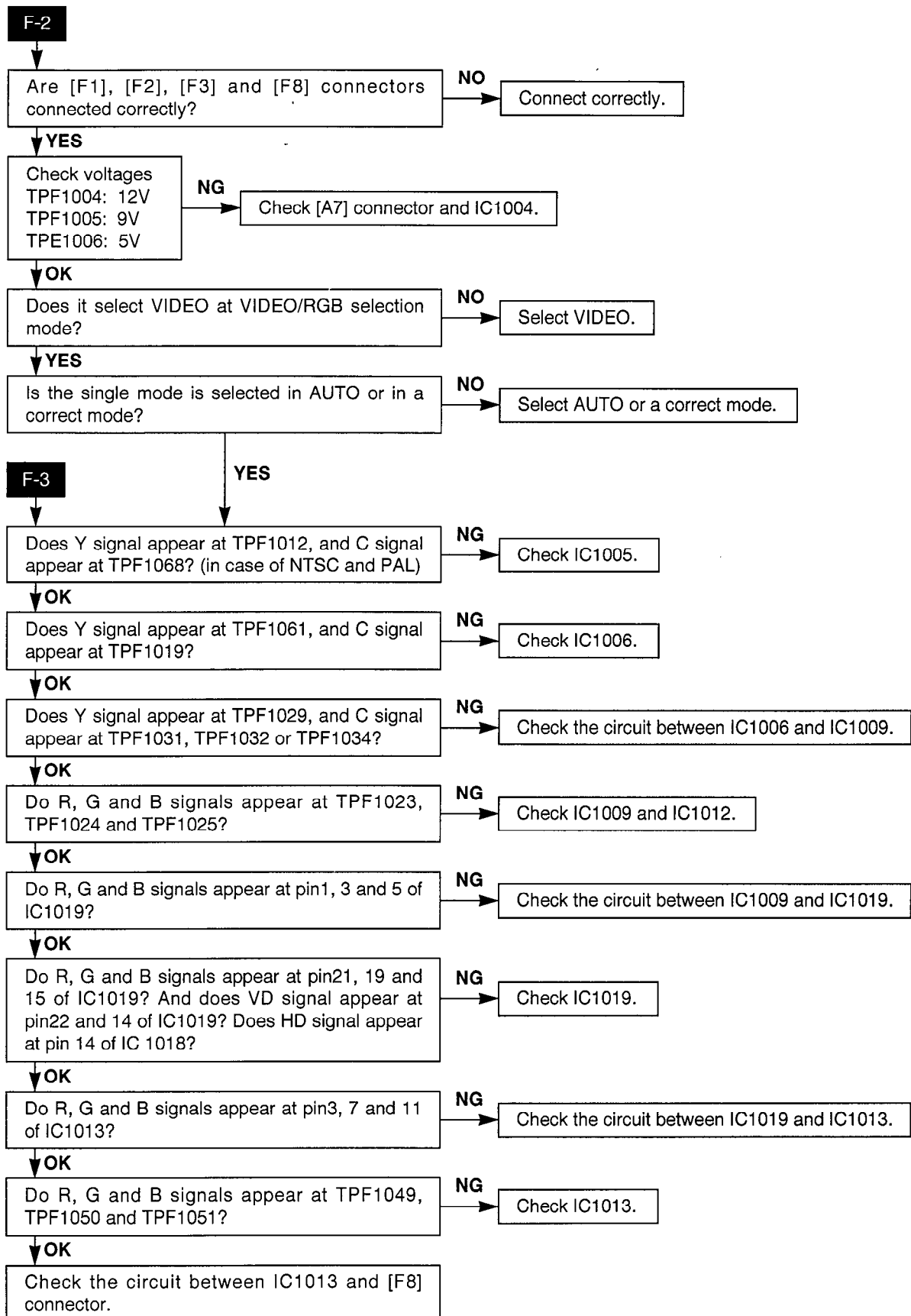


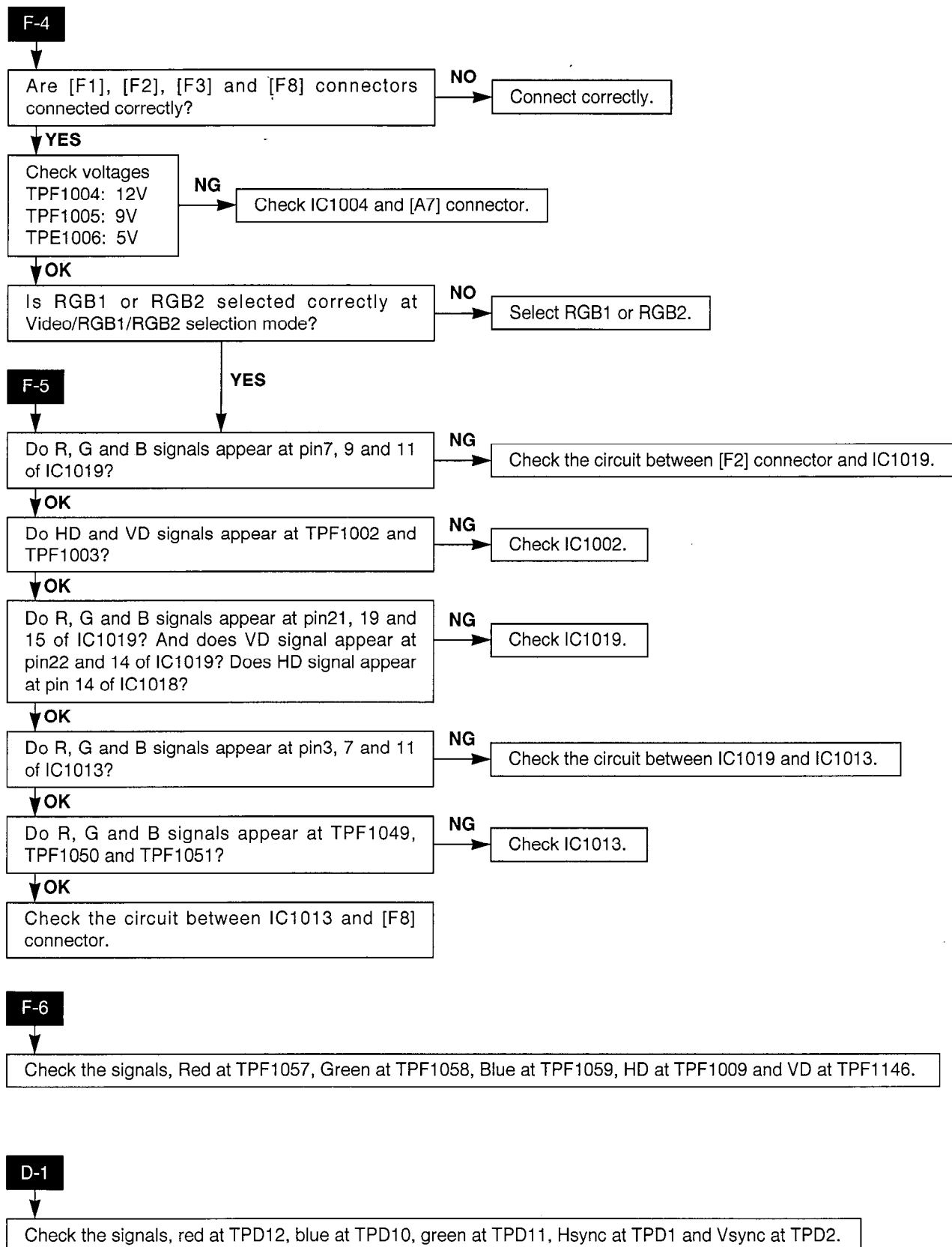


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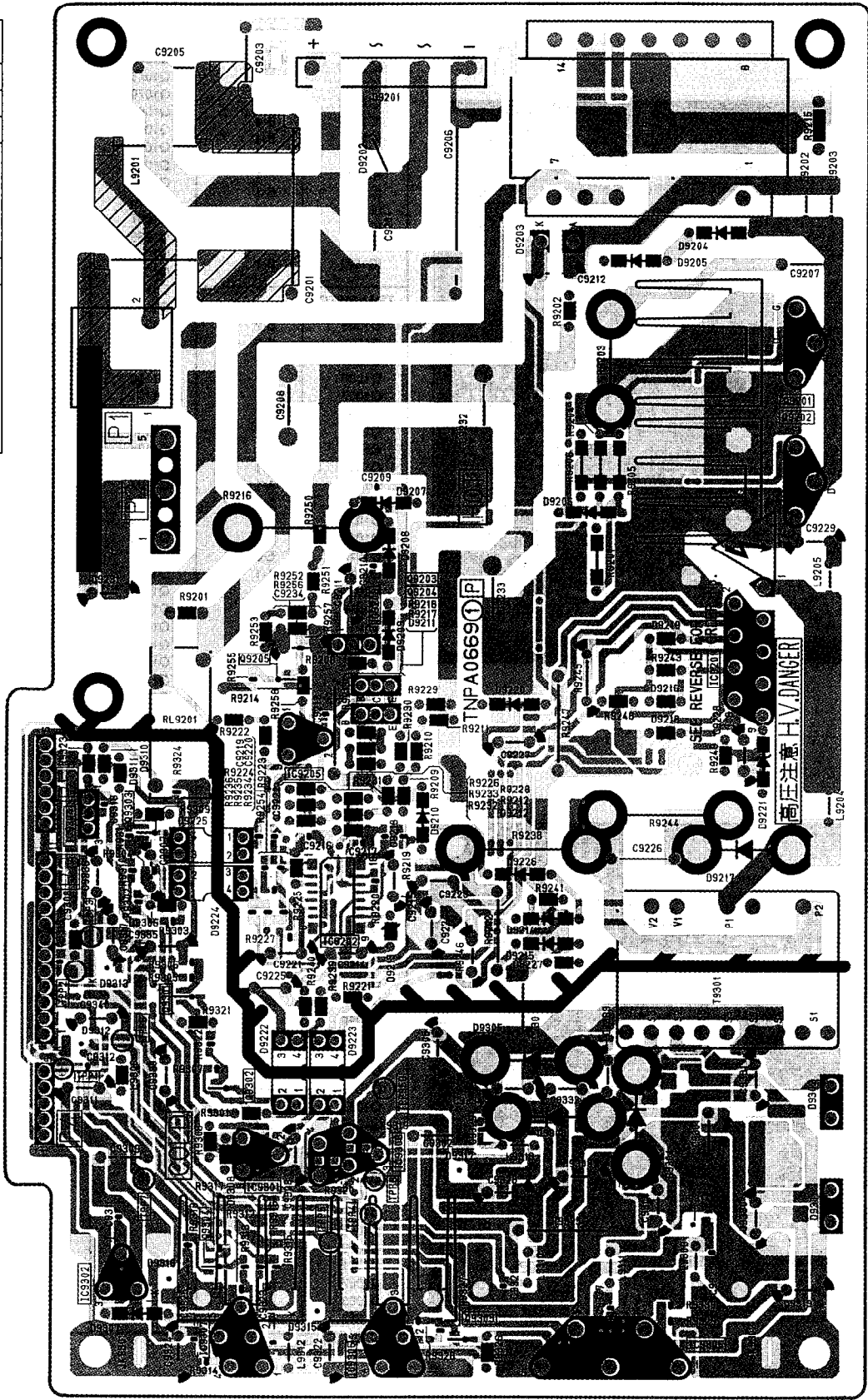


CIRCUIT BOARDS

P-P.W. Board TNPA0669AA
(Foil Side)

P-P.W. Board (Foil Side)	
IC	
IC9202	B-3
TRANSISTOR	
Q9205	D-2
Q9301	B-2
Q9302	B-2
Q9303	C-2
Q9304	A-2
Q9305	A-3
TP	
TPP1	B-2
TPP2	B-2
TPP3	C-2
TPP4	A-3
TPP5	A-3
TPP6	B-2
TPP7	A-2
TPP8	A-3
TPP95G	B-3

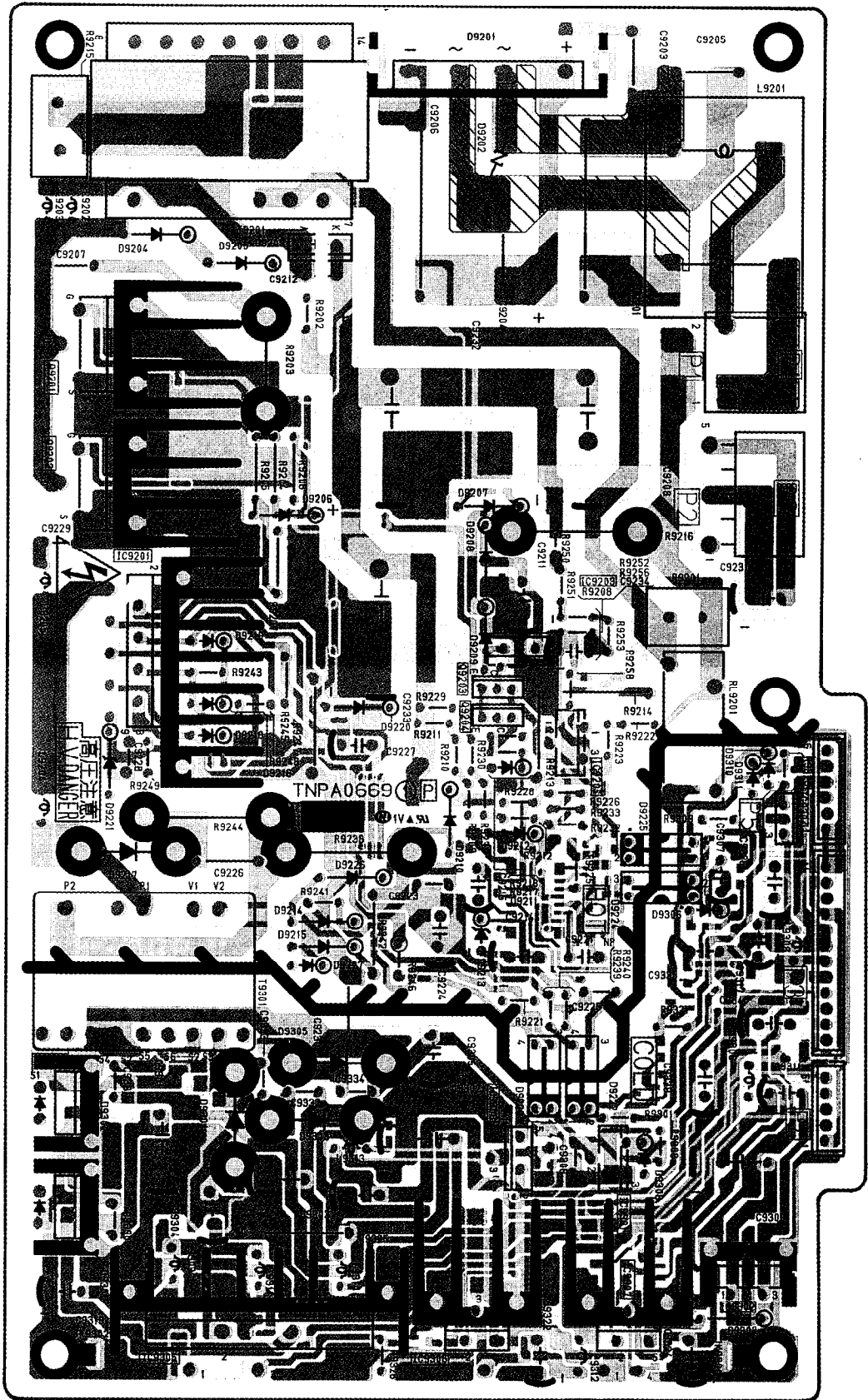
ADDRESS INFORMATION



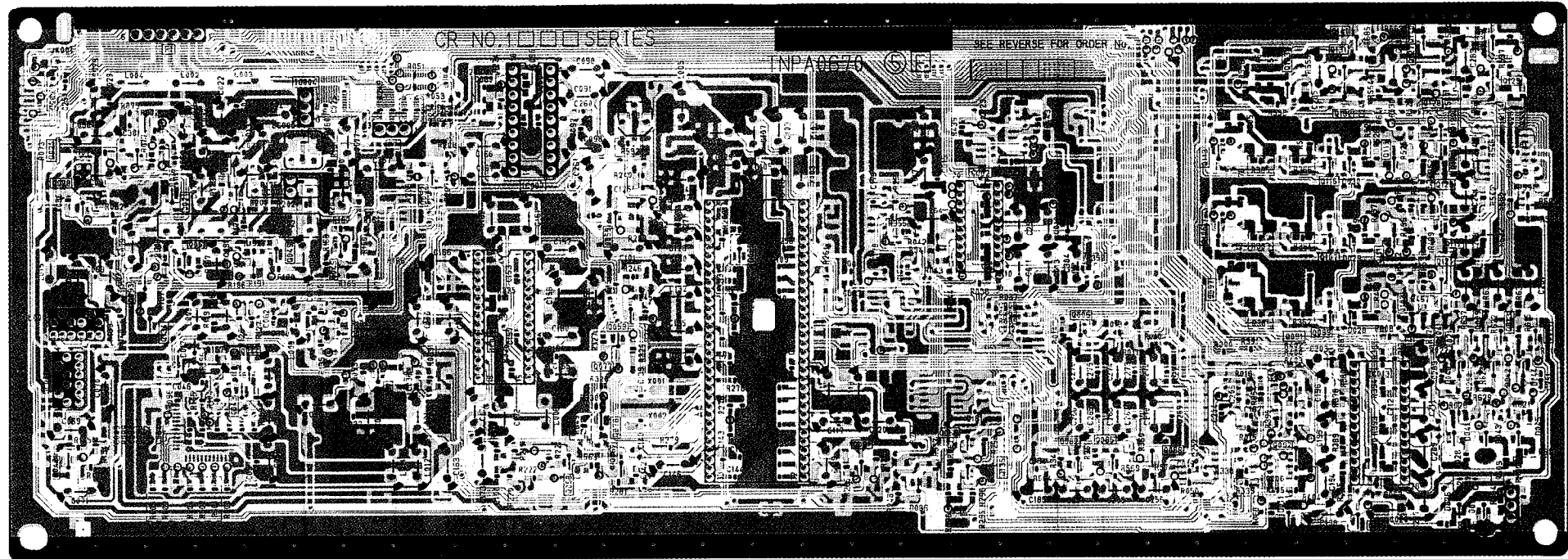
P-P.W. Board TNPA0669AA
(Component Side)

P-P.W. Board (Component Side)	
IC	
IC9201	D-6
IC9203	D-7
IC9205	C-7
IC9301	A-8
IC9302	A-8
IC9304	C-8
IC9305	A-6
IC9306	A-7
IC9307	A-8
IC9308	B-7
TRANSISTOR	
Q9201	E-5
Q9202	D-5
Q9203	C-7
Q9204	C-7

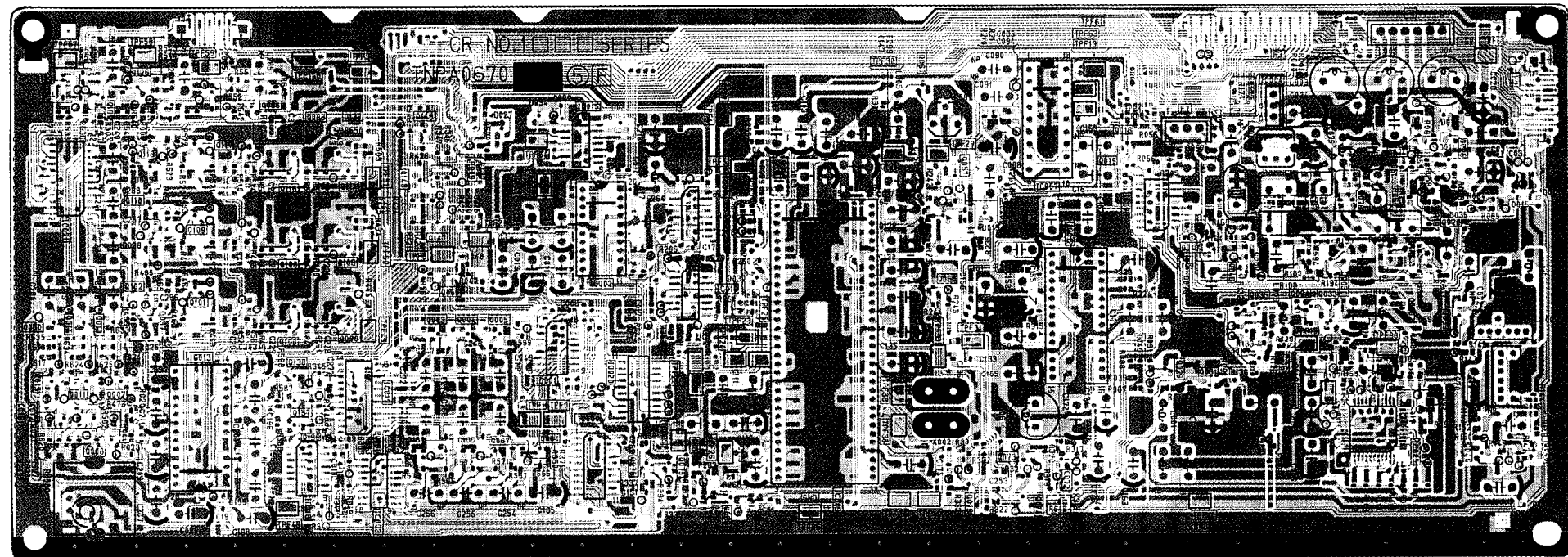
ADDRESS INFORMATION



F-P.W. Board (Foil Side)
TNPA0670AC (PT-L592E/EG/EA)
TNPA0670AD (PT-L392E/EG/EA)



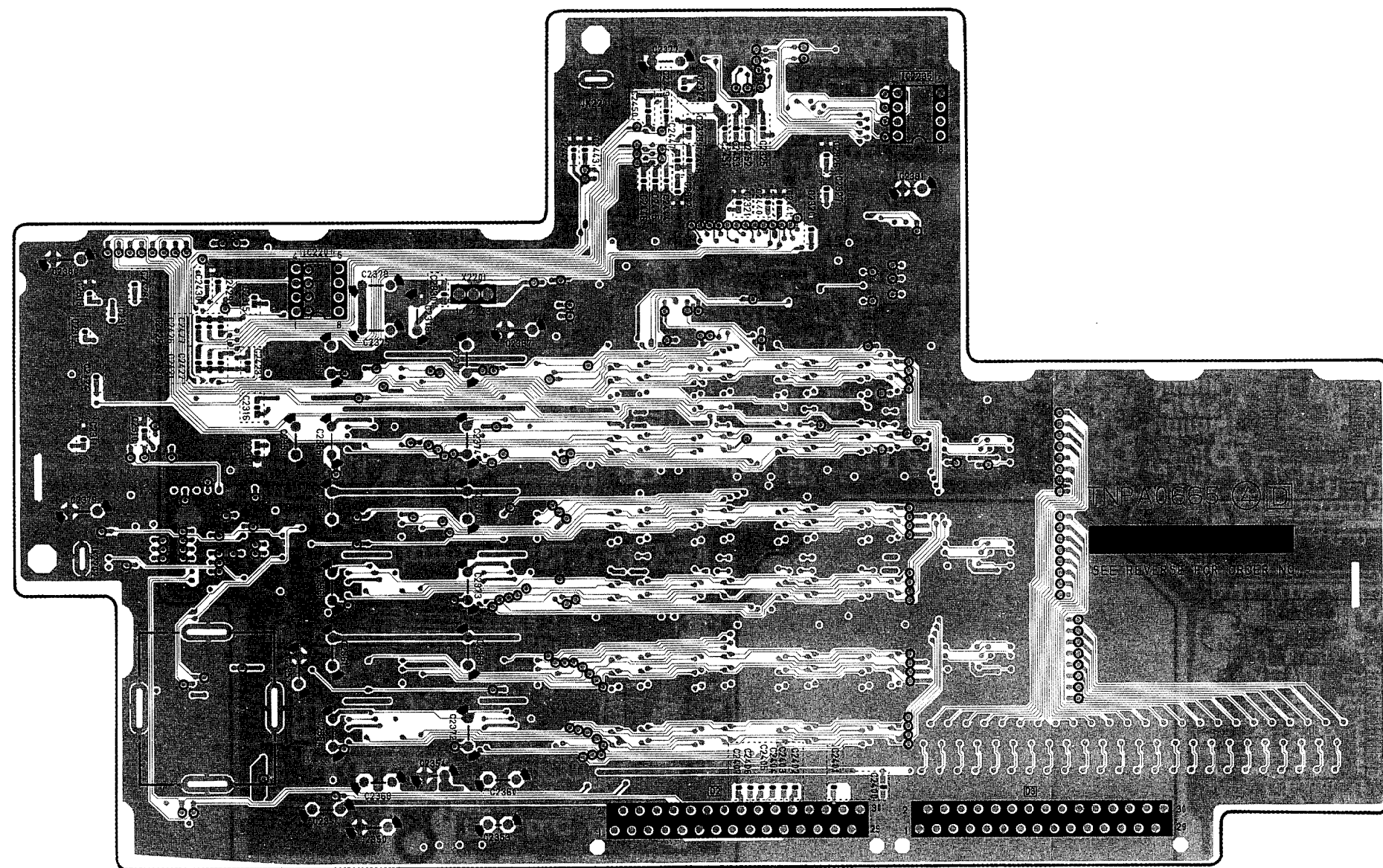
F-P.W. Board (Component Side)
TNPA0670AC (PT-L592E/EG/EA)
TNPA0670AD (PT-L392E/EG/EA)



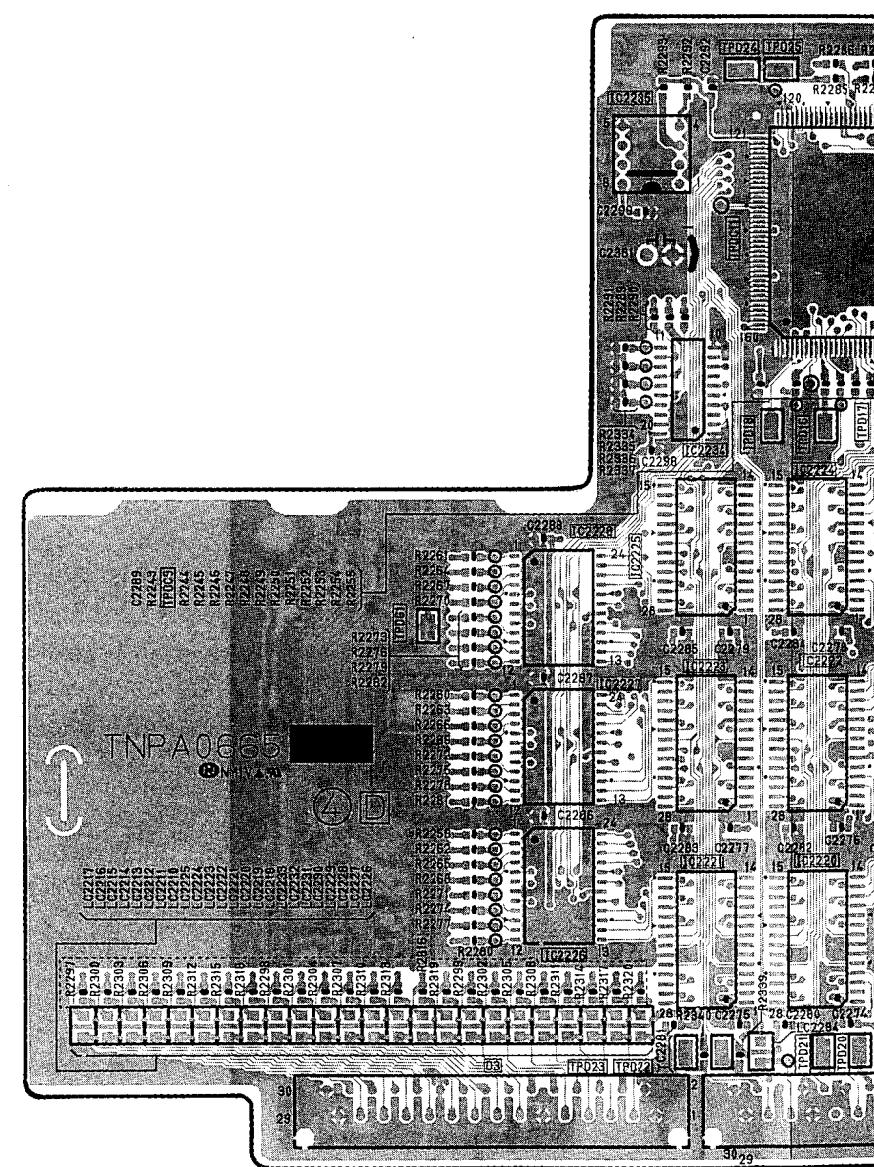
F-P.W. Board (Foil Side and Component Side)					
IC				TP	
IC1000	A-3	Q1066	D-4	TPF1000	A-3
IC1001	A-3	Q1067	C-4	TPF1001	A-3
IC1002	B-3	Q1072	A-5	TPF1002	B-3
IC1003	A-2	Q1073	A-5	TPF1003	B-2
IC1004	C-6	Q1074	A-5	TPF1004	B-3
IC1005	A-6	Q1075	A-3	TPF1005	B-4
IC1006	B-5	Q1076	A-3	TPF1006	C-7
IC1007	B-5	Q1077	D-3	TPF1009	C-2
IC1009	A-4	Q1078	D-3	TPF1010	A-5
IC1010	B-4	Q1079	A-5	TPF1012	B-6
IC1011	B-4	Q1080	B-1	TPF1019	C-5
IC1012	B-5	Q1082	D-5	TPF1022	A-3
IC1013	A-1	Q1083	B-2	TPF1023	B-4
IC1015	B-3	Q1084	A-3	TPF1024	B-4
IC1018	A-2	Q1085	D-5	TPF1025	B-4
IC1019	A-2	Q1086	B-2	TPF1026	A-3
IC1020	A-3	Q1087	A-3	TPF1029	B-4
IC1021	B-1	Q1088	D-5	TPF1030	C-4
TRANSISTOR		Q1090	A-2	TPF1031	B-5
Q1003	B-2	Q1091	D-6	TPF1032	B-4
Q1004	B-2	Q1092	D-6	TPF1034	A-4
Q1005	B-3	Q1093	E-1	TPF1035	A-3
Q1006	D-5	Q1097	E-6	TPF1036	A-4
Q1007	A-1	Q1098	B-2	TPF1038	A-4
Q1008	A-1	Q1099	D-6	TPF1039	A-4
Q1009	D-7	Q1100	B-2	TPF1040	A-4
Q1010	B-1	Q1101	B-1	TPF1041	A-3
Q1011	A-1	Q1102	B-1	TPF1048	A-2
Q1012	A-1	Q1103	E-6	TPF1049	B-2
Q1013	D-7	Q1104	D-6	TPF1050	B-2
Q1014	B-1	Q1106	B-2	TPF1051	B-2
Q1015	A-1	Q1107	E-6	TPF1057	C-1
Q1016	A-1	Q1108	B-2	TPF1058	C-1
Q1017	D-7	Q1109	B-1	TPF1059	C-1
Q1018	B-5	Q1110	B-1	TPF1061	C-5
Q1019	B-5	Q1111	E-6	TPF1063	C-5
Q1020	B-6	Q1112	E-7	TPF1064	B-3
Q1021	E-1	Q1113	E-6	TPF1065	A-6
Q1024	B-6	Q1114	B-2	TPF1067	B-3
Q1025	E-1	Q1115	E-6	TPF1068	B-6
Q1026	B-7	Q1116	B-2	TPF1146	C-2
Q1028	E-1	Q1117	B-1		
Q1029	A-5	Q1118	B-1		
Q1030	D-2	Q1119	E-6		
Q1031	A-5	Q1120	E-7		
Q1033	B-6	Q1121	E-6		
Q1034	B-6	Q1122	C-1		
Q1035	B-6	Q1123	E-7		
Q1036	B-6	Q1124	E-7		
Q1037	A-6	Q1125	E-6		
Q1039	B-6	Q1126	C-1		
Q1040	A-7	Q1127	F-6		
Q1041	A-7	Q1128	E-6		
Q1042	D-1	Q1129	E-7		
Q1043	D-2	Q1130	B-2		
Q1044	D-2	Q1131	F-6		
Q1045	E-2	Q1132	E-6		
Q1046	B-6	Q1133	F-6		
Q1047	B-5	Q1134	D-1		
Q1048	E-2	Q1135	D-5		
Q1049	E-2	Q1136	A-2		
Q1050	B-6	Q1137	A-2		
Q1051	E-1	Q1138	A-2		
Q1052	E-2	Q1139	F-7		
Q1054	A-6	Q1140	F-6		
Q1055	E-3	Q1141	F-6		
Q1056	B-5	Q1143	D-6		
Q1057	B-4	Q1147	B-2		
Q1058	D-3	Q1148	B-2		
Q1059	D-3	Q1149	B-2		
Q1060	B-4	Q1181	B-1		
Q1061	D-4				
Q1062	D-3				
Q1063	A-4				
Q1065	B-2				

ADDRESS INFORMATION

D-P.W. Board TNPA0665AC (PT-L592E/EG/EA Only)
(Foil Side)



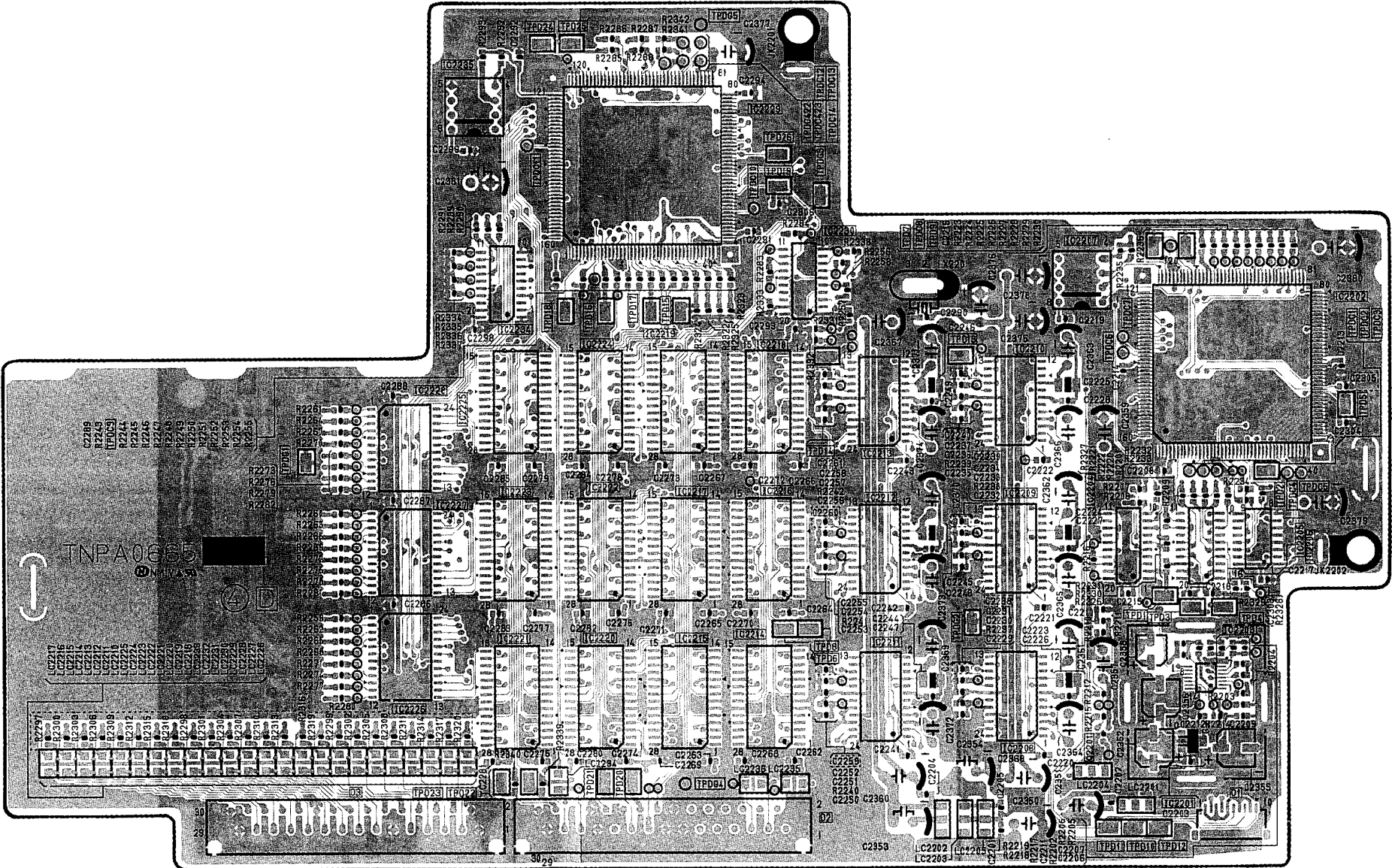
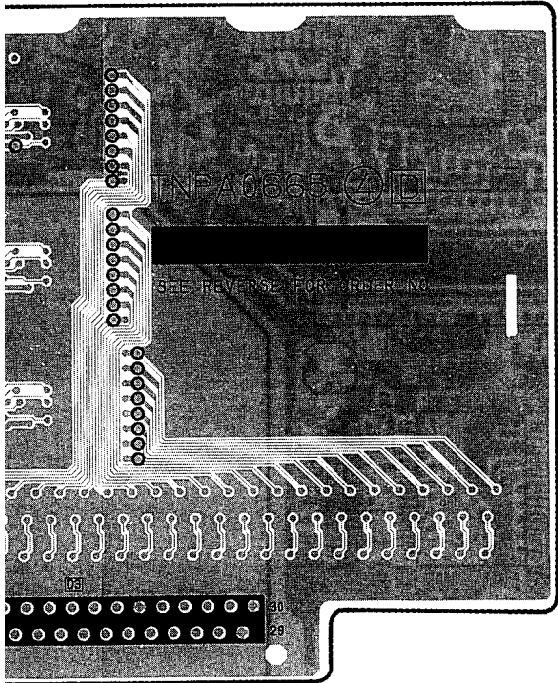
D-P.W. Board TNPA0665AC (PT-L592E/EG/EA Only)
(Component Side)



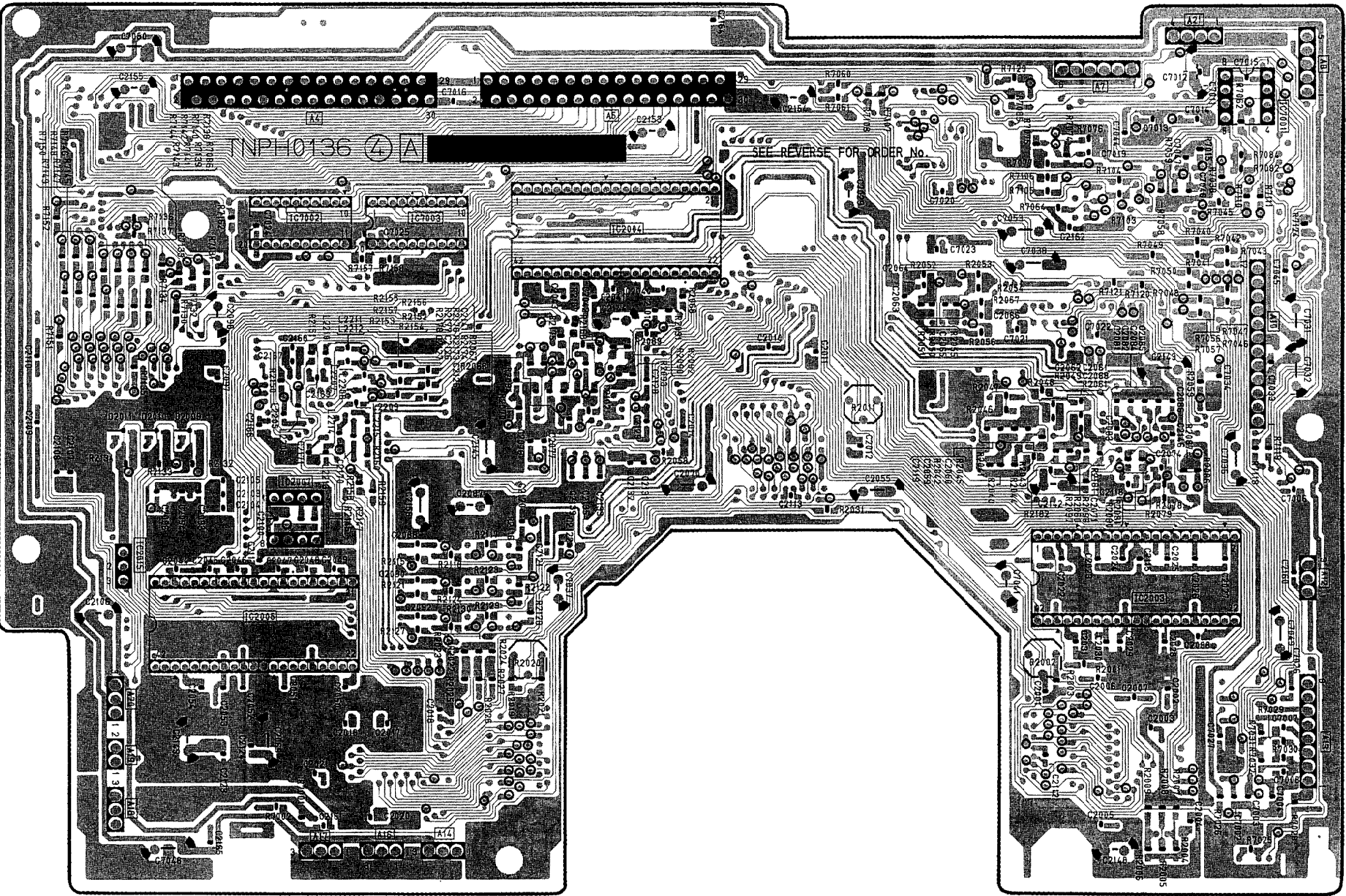
D-P.W. Board TNPA0665AC (PT-L592E/EG/EA Only)
(Component Side)

D-P.W. Board (Component Side)							
IC		IC2222	B-10	TPD6	B-11	TPDC1	C-13
IC2201	A-13	IC2223	B-10	TPD7	C-12	TPDC2	C-14
IC2202	C-13	IC2224	C-10	TPD8	B-11	TPDC3	C-14
IC2204	B-12	IC2225	C-10	TPD9	C-12	TPDC4	B-13
IC2205	B-13	IC2226	A-9	TPD10	A-13	TPDC5	B-13
IC2206	B-13	IC2227	B-9	TPD11	A-12	TPDC6	C-12
IC2207	C-12	IC2228	C-9	TPD12	A-13	TPDC7	C-12
IC2208	A-12	IC2229	D-11	TPD13	C-12	TPDC8	C-12
IC2209	B-12	IC2230	C-11	TPD14	B-11	TPDC9	C-8
IC2210	C-12	IC2234	C-10	TPD15	C-10	TPDC10	D-11
IC2211	B-11	IC2235	D-10	TPD16	C-10	TPDC11	D-10
IC2212	B-11	TRANSISTOR		TPD17	C-10	TPDC12	D-11
IC2213	B-11	Q2201	A-12	TPD18	C-10	TPDC13	D-11
IC2214	B-11	TP		TPD19	D-11	TPDC14	D-11
IC2215	B-11	TPD1	B-13	TPD20	A-10	TPDC422	D-11
IC2216	B-11	TPD2	B-13	TPD21	A-10	TPDC423	D-11
IC2217	B-11	TPD3	B-13	TPD22	A-10	TPDG1	B-9
IC2218	C-11	TPD4	B-13	TPD23	A-9	TPDG2	B-12
IC2219	C-10	TPD5	C-13	TPD24	D-10	TPDG3	D-11
IC2220	B-10			TPD25	D-10	TPDG4	A-11
IC2221	B-10			TPD26	D-11	TPDG5	D-11

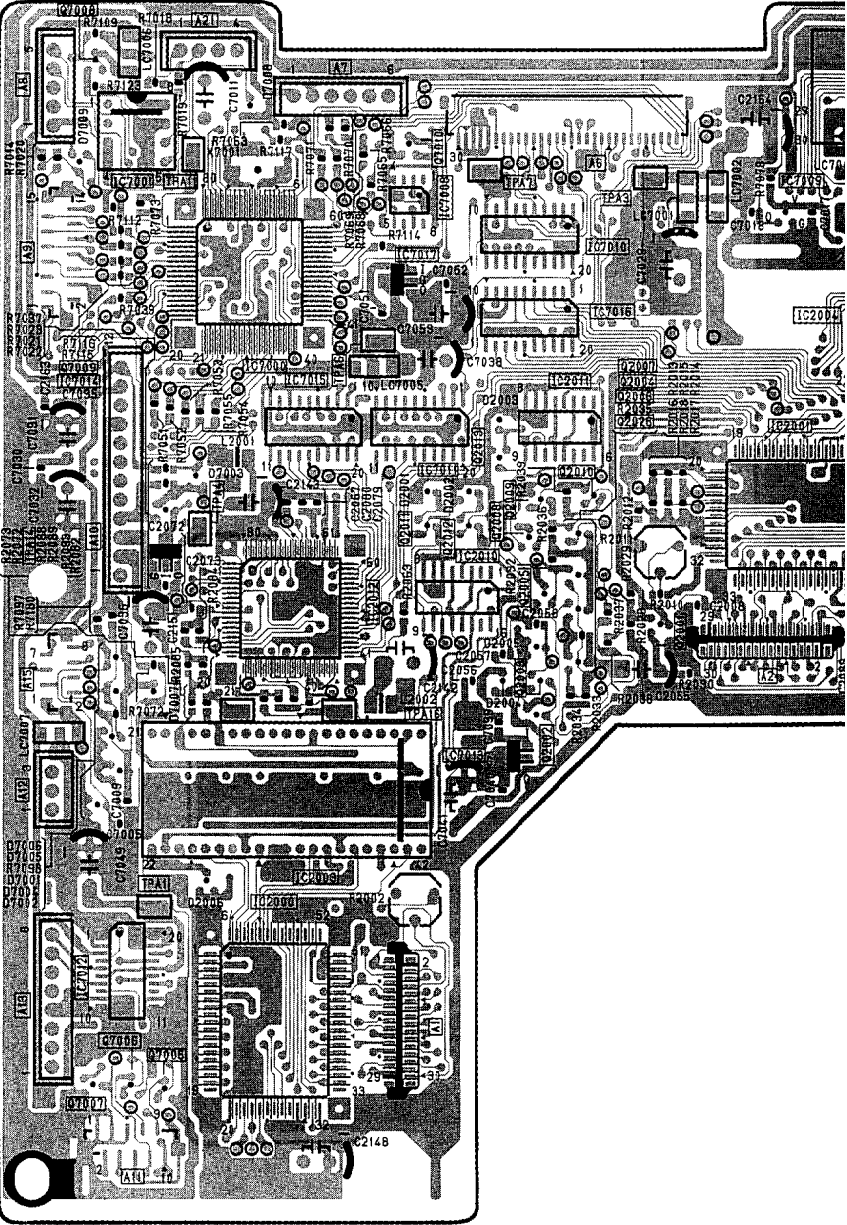
ADDRESS INFORMATION



A-P.W. Board TNPH0136AC (For PT-L592E/EG/EA)
(Foil Side)



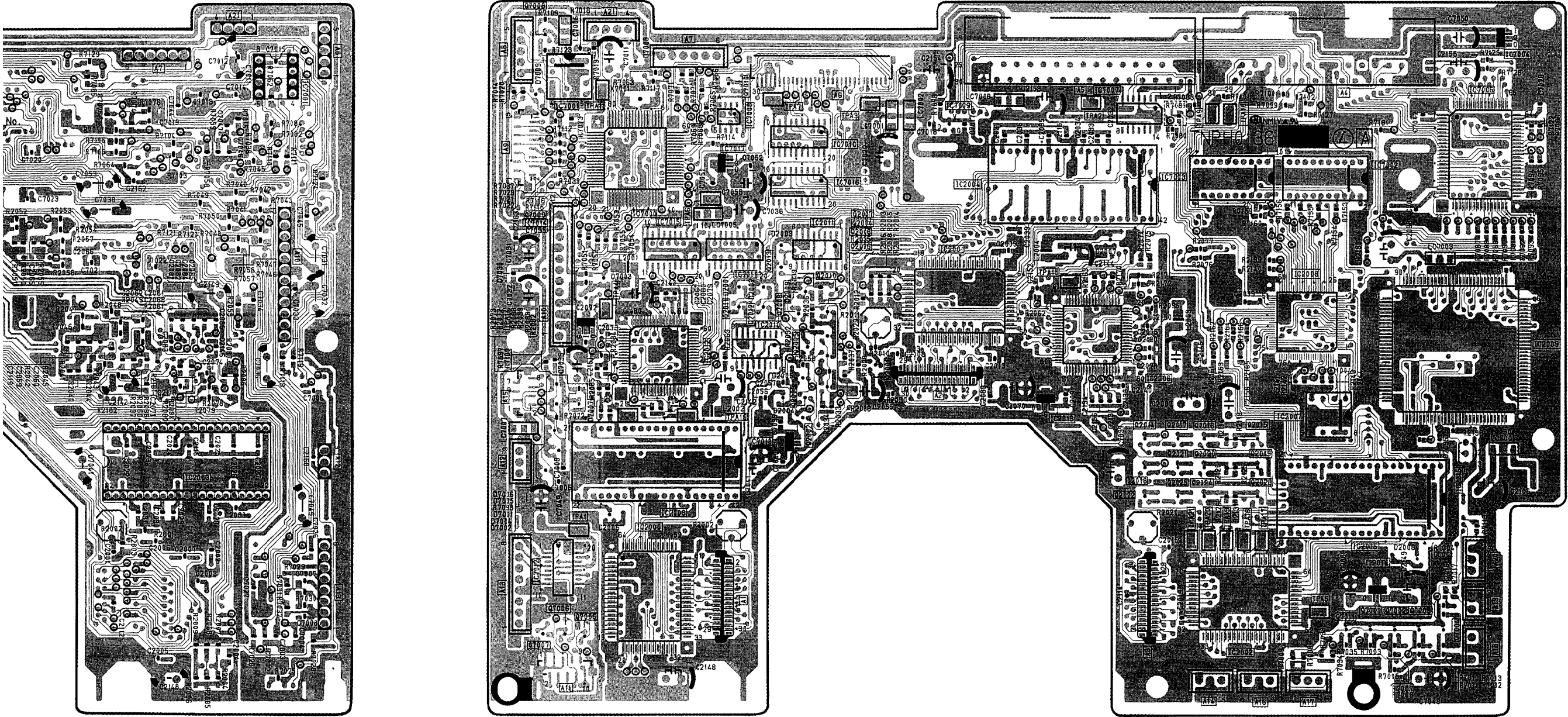
A-P.W. Board TNPH0136AC (For PT-L592E/EG/EA)
(Component Side)



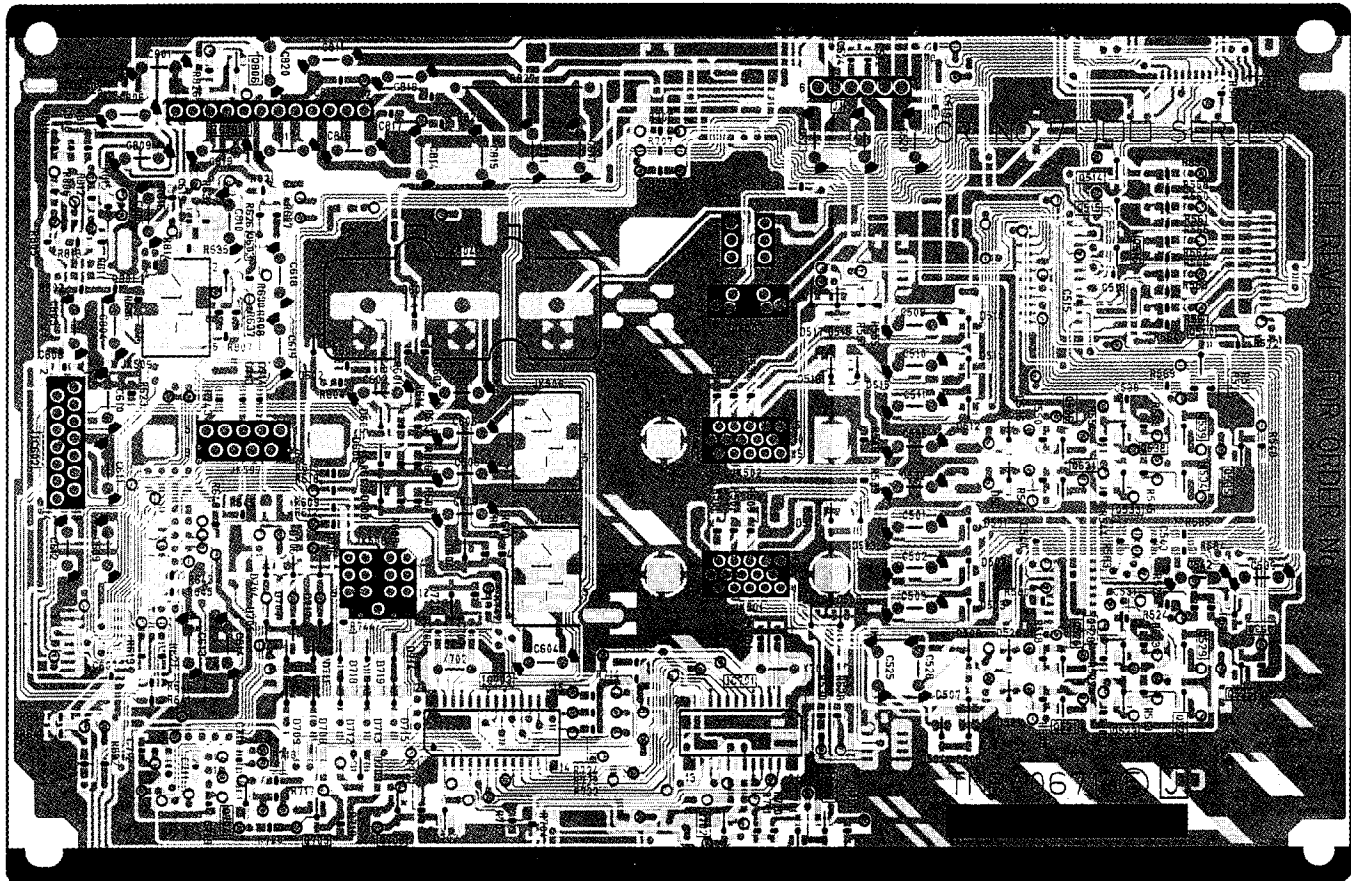
A-P.W. Board TNPH0136AC (For PT-L592E/EG/EA)
(Component Side)

A-P.W. Board for PT-L592E/EG/EA (Component Side)									
IC		IC7002		Q2003		Q2022		TP	
IC2000	B-8	IC7003	D-13	Q2004	B-9	Q2023	B-11	TPA1	B-8
IC2001	C-10	IC7004	D-13	Q2005	C-10	Q2024	B-12	TPA2	D-11
IC2002	A-12	IC7006	D-13	Q2006	C-10	Q2025	B-11	TPA3	D-10
IC2003	B-9	IC7007	D-11	Q2007	C-10	Q2026	C-10	TPA4	C-8
IC2004	D-10	IC7008	D-9	Q2008	C-9	Q7001	A-13	TPA5	A-12
IC2005	B-13	IC7009	D-10	Q2009	C-9	Q7002	A-13	TPA6	C-9
IC2006	C-11	IC7010	D-10	Q2010	C-9	Q7003	A-13	TPA7	D-9
IC2007	B-12	IC7011	C-9	Q2011	C-9	Q7004	A-13	TPA9	D-12
IC2008	C-12	IC7012	A-8	Q2012	C-9	Q7005	A-8	TPA10	D-12
IC2009	C-13	IC7013	B-9	Q2013	C-9	Q7006	A-8	TPA11	D-8
IC2010	C-9	IC7014	C-8	Q2014	B-11	Q7007	A-8	TPA14	C-8
IC2011	C-9	IC7015	C-9	Q2015	B-12	Q7008	E-8	TPA15	C-11
IC2012	C-9	IC7016	D-10	Q2016	B-12	Q7009	C-8	TPA16	B-9
IC2013	B-11	IC7017	D-9	Q2017	B-11	Q7010	D-9	TPA17	B-12
IC2014	A-13	TRANSISTOR		Q2018	B-11	Q7011	A-12	TPA18	B-12
IC2015	B-13	Q2001	C-10	Q2019	B-12			TPA19	B-12
IC7000	C-8	Q2002	B-9	Q2020	B-12			TPA20	B-12
IC7001	D-8			Q2021	B-11			TPA21	B-12

ADDRESS INFORMATION



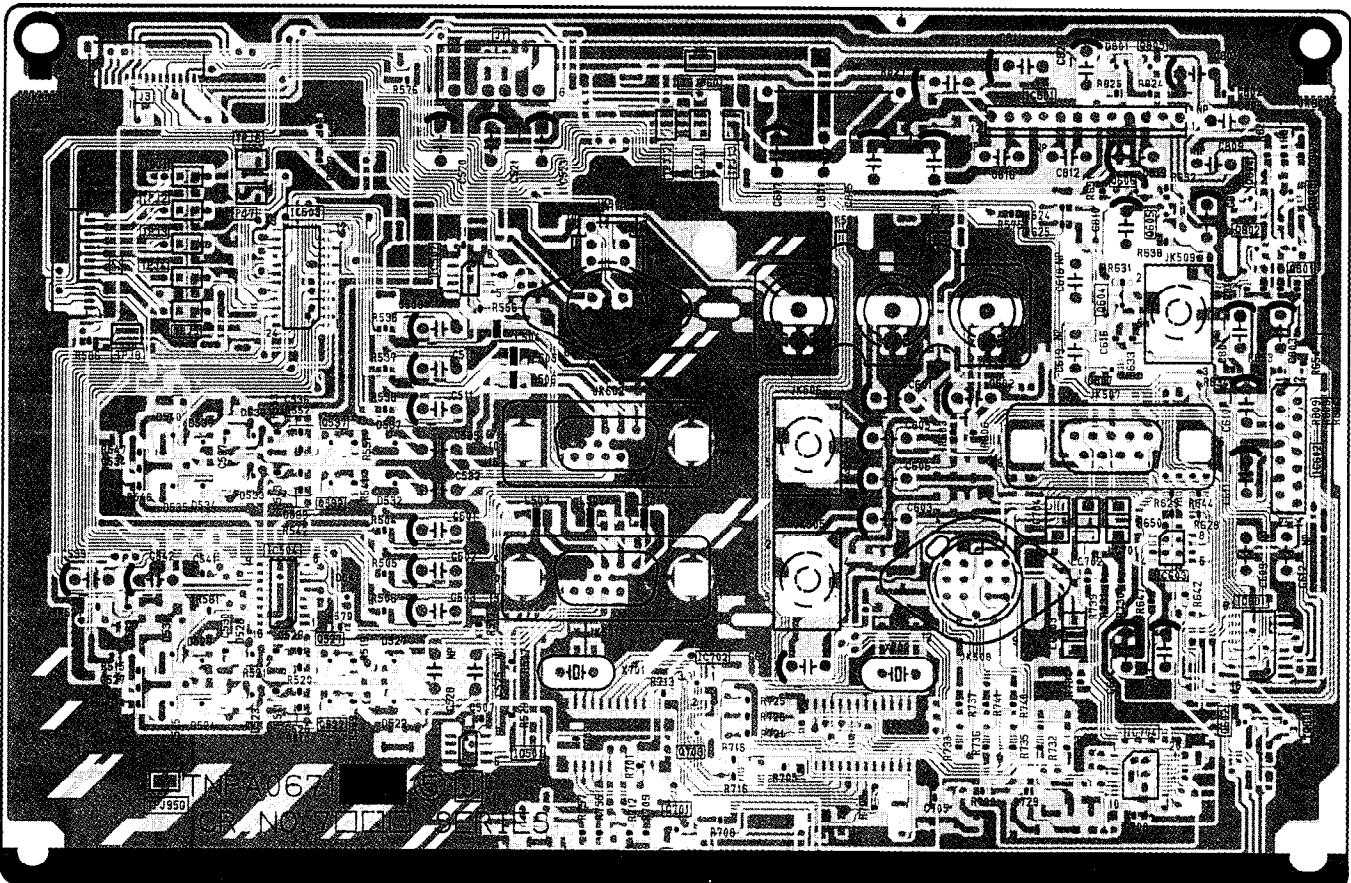
J-P.W. Board (Foil Side)
TXN/J1VTFZ (PT-L592E/EG/EA)
TXN/J1VTGZ (PT-L392E/EG/EA)



J-P.W. Board (Foil Side)	
IC	
IC701	D-5
IC703	D-4
TRANSISTOR	
Q514	F-6
Q515	F-6
Q516	F-6
Q521	D-6
Q523	D-6
Q524	D-6
Q525	D-6
Q526	D-6
Q528	E-6
Q529	D-4
Q530	D-6
Q531	E-6
Q533	E-6
Q534	E-6
Q535	E-6
Q536	E-6
Q538	E-6
Q539	E-6
Q540	E-6
Q603	F-3
Q702	D-5
Q704	D-3
Q705	D-3
Q706	D-4
Q752	D-5
Q806	F-3

ADDRESS INFORMATION

J-P.W. Board (Component Side)
TXN/J1VTFZ (PT-L592E/EG/EA)
TXN/J1VTGZ (PT-L392E/EG/EA)



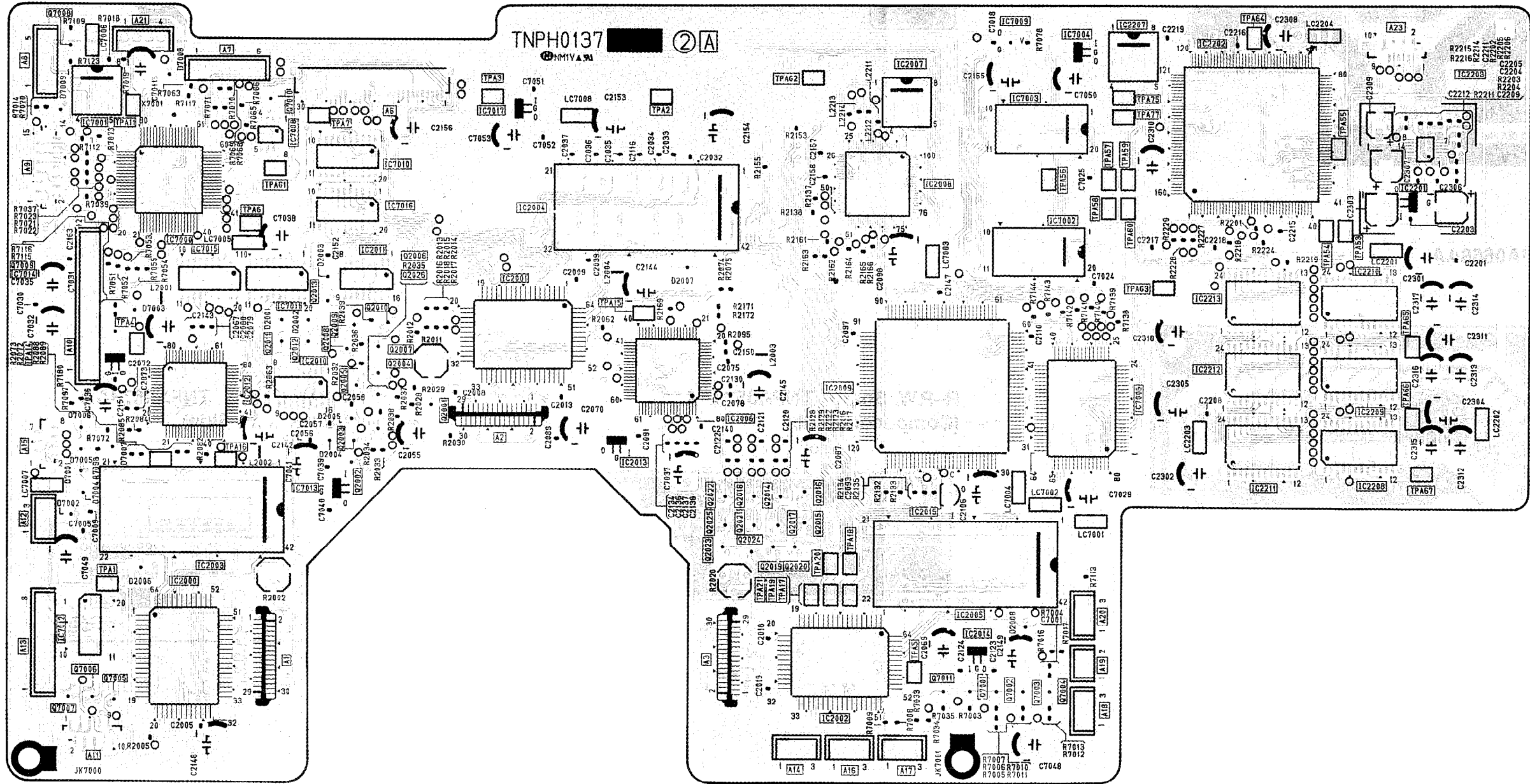
J-P.W. Board (Component Side)			
IC		Q703	
IC501	A-4	Q801	C-7
IC502	C-4	Q802	C-7
IC503	C-3	Q803	C-7
IC601	B-7	Q804	C-7
IC602	B-7	Q805	C-6
IC603	B-6	TP	
IC702	A-5	TPJ1	C-3
IC704	A-6	TPJ11	C-5
IC801	C-6	TPJ12	C-5
TRANSISTOR		TPJ13	C-6
Q522	A-4	TPJ2	C-3
Q527	A-4	TPJ3	C-3
Q532	B-4	TPJ4	C-3
Q537	B-4	TPJ5	B-3
Q601	A-7	TPJ6	C-3
Q602	A-6	TPJ7	C-3
Q604	C-6	TPJ8	B-3
Q605	C-6	TPJ95G	A-3
Q606	C-6	TPJ96G	C-5
Q701	A-5		

ADDRESS INFORMATION

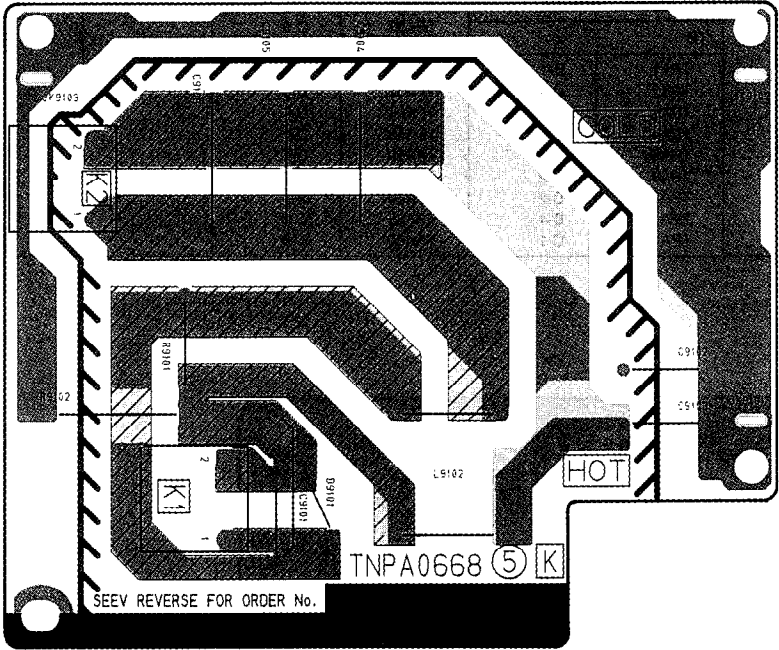
A-P.W. Board TNPH0137AA (For PT-L392E/EG/EA)
(Component Side)

A-P.W. Board for PT-L392E/EG/EA (Component Side)														
IC		IC2202	D-7	IC7011	C-2	Q2012	C-2	Q7004	A-6	TPA15	C-4	TPA67	B-8	
IC2000	B-2	IC2203	D-8	IC7012	A-1	Q2013	C-2	Q7005	A-1	TPA16	B-2	TPA75	D-7	
IC2001	C-3	IC2207	E-6	IC7013	B-2	Q2014	B-5	Q7006	A-1	TPA17	B-5	TPA77	D-7	
IC2002	A-5	IC2208	B-8	IC7015	C-2	Q2015	B-5	Q7007	A-1	TPA18	B-5	TPAG1	D-2	
IC2003	B-2	IC2209	C-8	IC7016	D-3	Q2016	B-5	Q7008	E-1	TPA19	B-5	TPAG2	D-5	
IC2004	D-3	IC2210	C-8	IC7017	D-3	Q2017	B-5	Q7010	D-2	TPA20	B-5	TPAG3	C-7	
IC2005	B-6	IC2211	B-7	TRANSISTOR		Q2018	B-4	Q7011	A-5	TPA21	B-5			
IC2006	C-4	IC2212	C-7			Q2019	B-5				TPA53			C-8
IC2007	D-5	IC2213	C-7	Q2001	C-3	Q2020	B-5	TP		TPA54	C-8			
IC2008	D-5	IC7000	C-2	Q2002	B-2	Q2021	B-4			TPA55	D-8			
IC2009	C-5	IC7001	D-1	Q2003	B-2	Q2022	B-4	TPA1	B-1	TPA56	D-6			
IC2010	C-2	IC7002	D-6	Q2004	C-3	Q2023	B-4	TPA2	D-4	TPA57	D-6			
IC2011	C-3	IC7003	D-6	Q2005	C-2	Q2024	B-4	TPA3	D-3	TPA58	D-6			
IC2012	C-2	IC7004	E-6	Q2006	C-3	Q2025	B-4	TPA4	C-1	TPA59	D-6			
IC2013	B-4	IC7006	C-7	Q2007	C-3	Q2026	C-3	TPA5	A-5	TPA60	D-6			
IC2014	A-6	IC7008	D-2	Q2008	C-2	Q7001	A-6	TPA6	D-2	TPA64	E-7			
IC2015	B-5	IC7009	E-6	Q2009	C-2	Q7002	A-6	TPA7	D-2	TPA65	C-8			
		IC7010	D-3	Q2011	C-2	Q7003	A-6	TPA11	D-1	TPA66	C-8			
								TPA14	C-1					

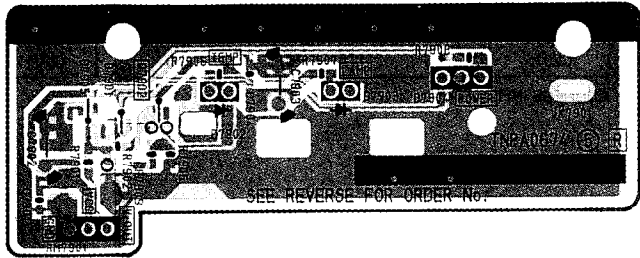
ADDRESS INFORMATION



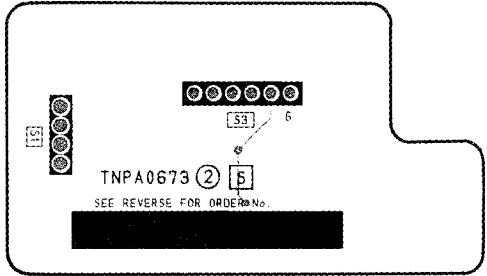
K-P.W. Board TNPA0668AA
(Foil Side)



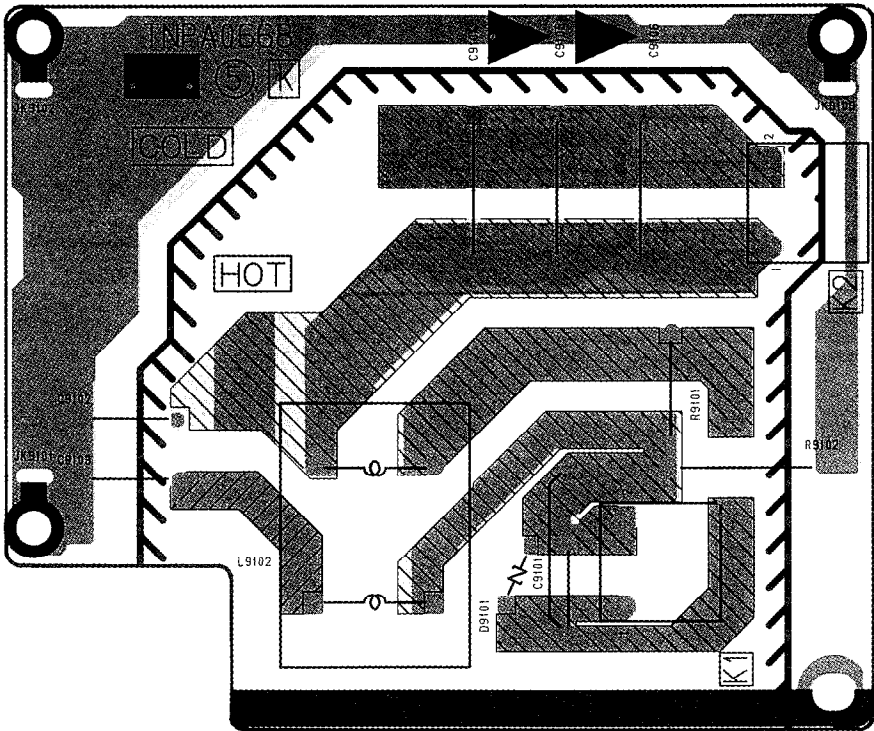
R-P.W. Board TNPA0674AA
(Foil Side)



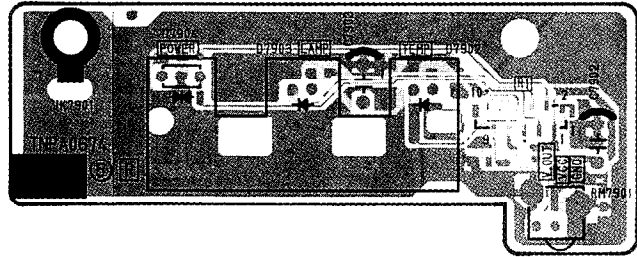
S-P.W. Board TNPA0673AA
(Foil Side)



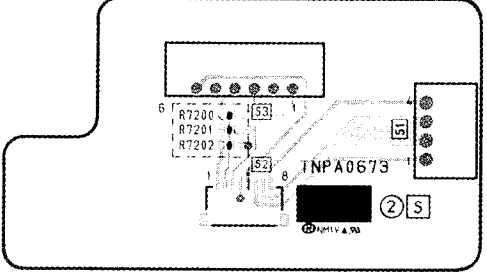
K-P.W. Board TNPA0668AA
(Component Side)



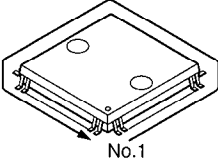
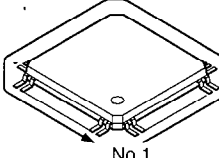
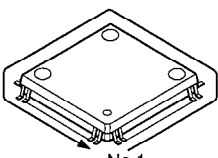
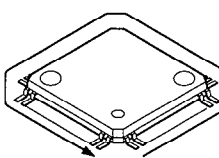
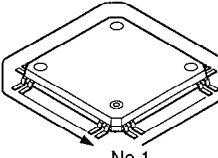
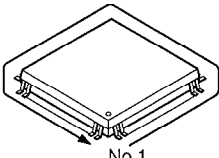
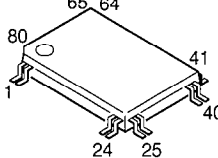
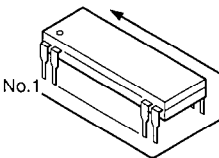
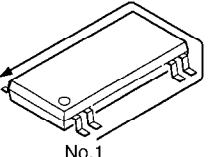
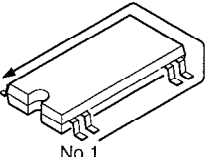
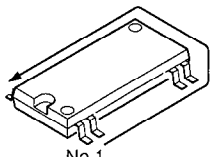
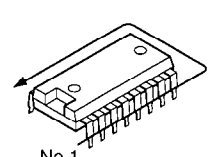
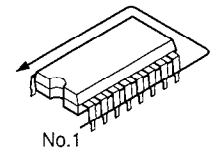
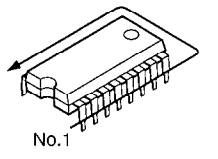
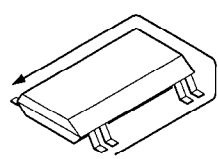

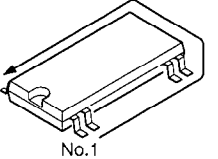
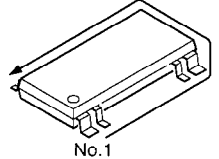
R-P.W. Board TNPA0674AA
(Component Side)

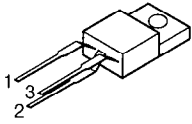
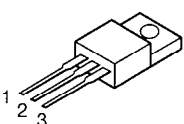
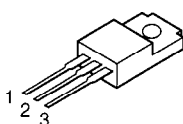
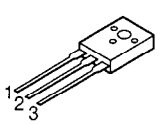
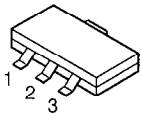
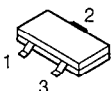
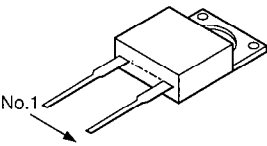
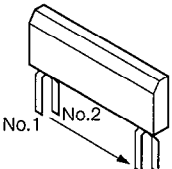
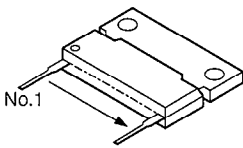
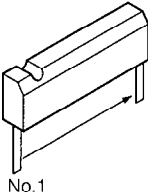
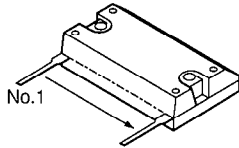
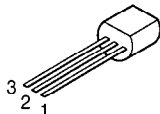
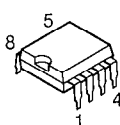
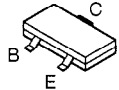
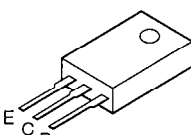
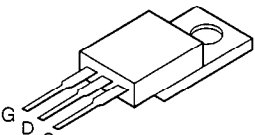


S-P.W. Board TNPA0673AA
(Component Side)



Terminal Guide of IC's and Transistors

 <p>No.1</p> <p>TVRJ102A 80Pin TVRJ103-1 80Pin</p>	 <p>No.1</p> <p>MN8236 44Pin ET1012T0A 64Pin</p>	 <p>No.1</p> <p>ET7010K0A 120Pin</p>	 <p>No.1</p> <p>ET5010S0B 80Pin</p>
 <p>No.1</p> <p>TVSA0132 160Pin</p>	 <p>No.1</p> <p>TVSA0133 100Pin TVSA0134 100Pin</p>	 <p>65 64 80 41 1 40 24 25</p> <p>UPD65636G075 80Pin</p>	 <p>No.1</p> <p>24LC16BIPA24 8Pin</p>
 <p>No.1</p> <p>M5197BFP 8Pin TLC2933IPWL 14Pin FA5331M 16Pin MC14052BF 16Pin MC14053BF 16Pin SN74HC244NS 16Pin TC74HC4053AL 16Pin UPD74HC4538G 16Pin UPD4721GS 20Pin 74HCT244NSL 20Pin M62393FP 20Pin BA7657F 24Pin</p>	 <p>No.1</p> <p>TC74HC08AF 14Pin TC74AC163F 16Pin TC74AC240FEL 20Pin TC74AC244F 20Pin</p>	 <p>No.1</p> <p>TWM700015010 24Pin TWM700016010 24Pin</p>	 <p>No.1</p> <p>ET6010N0B 42Pin</p>
	 <p>No.1</p> <p>M35042-089SP 20Pin M35042-090SP 20Pin</p>	 <p>No.1</p> <p>M66256GP 24Pin</p>	
 <p>No.1</p> <p>24LC21T-I/SN 8Pin MN4778AS 28Pin</p>	 <p>No.1</p> <p>TDA4566 18Pin M52346SP 20Pin AN93B06K 28Pin TA8772AN 30Pin TA8880BN 64Pin</p>	 <p>No.1</p> <p>TDA8703T-T 24Pin</p>	 <p>No.1</p> <p>LB1831M 20Pin</p>

 <p>SE005N 3Pin SE012N 3Pin</p>	 <p>AN78M20 3Pin</p>	 <p>UPC24M05AHF 3Pin</p>	 <p>AN78N05 3Pin AN78N09 3Pin</p>
 <p>AN78L05M 3Pin AN78L15M 3Pin AN79L05M 3Pin</p>	 <p>MN1382R 3Pin</p>	 <p>SI-3050CA 5Pin SI-3120CA 5Pin STRS6707F953 9Pin</p>	 <p>M51132L 14Pin NJM2229M 16Pin</p>
 <p>AN7147N 12Pin</p>	 <p>XRA15218F 8Pin</p>	 <p>STR9005F308A 5Pin</p>	 <p>LM385Z-1.2 3Pin</p>
 <p>TVRJ090-1 8Pin TVRJ091-1 8Pin TVRJ092-1 8Pin TVRJ093 8Pin TVRJ094-1 8Pin</p>	 <p>2SA1462 2SB709AR 2SC2480S 2SD601AR 2SD601AQ 2SD602A-R</p>	 <p>2SA1096A 2SC2497A</p>	 <p>2SK1938</p>


■ Pin Description of IC7000 (Microcomputer)

Pin No.	Port	I/O	Name	Stand-BY Function
1	P15/AN15	In Init	Active	E ² PROM Initialize
2	P16/AN16	In Sdown	Active	Power Voltage Check
3	P17/AN17	In S-Video in	Active	S-Video Detection (H: S-Video, L: Video)
4	AVSS	AVSS	—	A/D Converter GND
5	P130/ANO0	Out Mute		Audio Mute (H: Mute, L: Mute Off)
6	P131/ANO1	Out RGB Mute		Video Mute
7	AVREF1	5V	—	Reference Voltage of D/A Converter
8	P70/SI2/RXD	In RXD	Active	RS232C RXD
9	P71/SO2/TXD	Out TXD	Active	RS232C TXD
10	P72/SCK1	In (GND)	—	Not Use
11	P20/SI1	In IICC	Active	External Control of
12	P21/SO1	Out OSD DATA	Active	OSD (DATA)
13	P22/SCK1	Out OSD CLK	Active	OSD (CLOCK)
14	P23/STB	Out STB1	Active	OSD (STB1)
15	P24/BUSY	Out STB2	Active	OSD (STB2)
16	P25/SIO/SIB	In	—	Not Use
17	P26/SO0/SB1	Out SDA	Active	IIC Bus (SDA)
18	P27/SCK0	Out SCL	Active	IIC Bus (SCL)
19	P40/AD0	Out AL1	L	Load (AL1)
20	P41/AD1	Out AL2	L	Load (AL2)
21	P42/AD2	Out ET7010	L	Load (ET7010)
22	P43/AD3	Out AL3	L	Load (AL3)
23	P44/AD4	Out KAME-LSI	L	Load (KAME-LSI)
24	P45/AD5	Out CLK	L	CLK for Digital IC
25	P46/AD6	Out DATA	L	DATA for Digital IC
26	P47/AD7	Out NC47	—	Not Use
27	P50/A8	Out MSW	L	Thin Control (H: On, L: Off)
28	P51/A9	Out POWER LED	Active	Power LED (H: Set, L: Stand-by)
29	P52/A10	Out LAMP LED	Active	Lamp Condition LED (H: On, L: Off)
30	P53/A11	Out THERMO LED	Active	Temperature Condition LED (H: On, L: Off)
31	P54/A12	Out ZOOM MOTOR1	L	Control Zoom Motor 1
32	P55/A13	Out ZOOM MOTOR2	L	Control Zoom Motor 2
33	VSS	GND	—	GND
34	P56/A14	Out FOCUS MOTOR1	L	Control Focus Motor 1
35	P57/A15	Out FOCUS MOTOR2	L	Control Focus Motor 2
36	P60	In STATE1		V Signal Detection
37	P61	In STATE2		H Signal Detection
38	P62	In HPOL		H Signal Polarity Detection
39	P63	In VPOL		V Signal Polarity Detection
40	P64	Out DAC CLOCK	L	DAC (Clock)
41	P65	Out DAC DATA	L	DAC (Data)

Pin No.	Port	I/O	Name	Stand-BY Function
42	P66	Out DAC LOAD1	L	DAC (Load)
43	P67	Out DAC LOAD2	L	DAC (Load)
44	P30/TO0	Out FAN ON/OFF	Active	Fan Condition (H: Normal, L: Abnormal)
45	P31/TO1	Out HC	Active	H Pulse Check
46	P32/TO2	Out FAN CTL	Active	Control FAN Speed
47	P33/TI1	In HPOL	Active	H Pulse input (Negative Polarity)
48	P34/TI2	Out STBY/MAIN	L	Power Control (H: On, L: Off)
49	P35/PCL	Out BLST ON	L	Ballast Power Control (H: On, L: Off)
50	P36/BUZ	In LAMP ON/OFF	Active	Lamp On
51	P37	In FAN SENCE	Active	FAN Stop
52	P120/RTP0	Out VID/RGB	L	Video/RGB Selector (H: Video, L: RGB)
53	P120/RTP1	Out RGB1/RGB2	L	RGB1/RGB2 Selector (H: RGB1, L: RGB2)
54	P120/RTP2	Out RGB1/Other	L	RGB1/Other Selector (H: RGB1, L: Other)
55	P123/RTP3	Out NC123		Not Use
56	P124/RTP4	Out SWB		Video System Selector 1
57	P125/RTP5	Out SWA		Video System Selector 2
58	P126/RTP6	Out SECAM		Video System Selector 3
59	P127/RTP7	Out PAL. SECAM		Video System Selector 4
60	RESET	SYSTEM RESET	—	System Reset
61	P00/INTP0/TI00	In POWER SENSE	—	Main Power Sense
62	P01/INTP1/TI01	In HC. IN	Active	H Pulse Check
63	P02/INTP2	In VPOL	—	V Pulse Input (Negative Polarity)
64	P03/INTP3	In R. COM IN	Active	Remote Control Input (Negative Polarity)
65	P04/INTP4	In ZOOM SENSE1		Zoom Sense 1
66	P05/INTP5	In ZOOM SENSE2		Zoom Sense 2
67	P06/INTP6	In FOCUS SENSE1		Focus Sense 1
68	Vdd	5V	—	(+) 5V
69	x2	5MHz	Active	System Clock
70	x1	In 5MHz	Active	System Clock
71	Vpp	GND	—	Program Writing Control
72	XT2	OPEN	—	Sub-system Clock
73	P07/XT1	In FOCUS SENSE2	—	Focus Sense 2
74	Avdd	5V	—	Power for A/D Converter
75	AVref0	In 5V	—	Reference Voltage of A/D Converter
76	P10/ANI0	In Key SCAN1	—	Key Scan 1
77	P11/ANI1	In Key SCAN2	Active	Key Scan 2
78	P12/ANI2	In Key SCAN3	Active	Key Scan 3
79	P13/ANI3	In Key SCAN4	Active	Key Scan 4
80	P14/ANI4	In THERMO SENS	Active	Temperature Sensor Input

Schematic Diagram for Model PT-L592 • 392E/EG/EA

Important safety notice

Components identified by  mark have special characteristics important for safety. When replacing any of these components, only manufacturer's sepcifed parts.

Notes:









1. Resistor

All resistors are carbon 1/4W resistor, unless marked as follows:
Unit of resistance is OHM [Ω] (K=1,000 M=1,000,000).

- | | |
|--|---|
|  : Nonflammable |  : Metal Oxide |
|  : Solid |  : Metal Film |
|  : Wire Wound |  : Fuze |

2. Capacitor

All capacitors are ceramic 50V capacitor, unless marked as follows:
Unit of capacitance is μ F, unless otherwise noted.

- | | |
|--|---|
|  : Temperature Compensation |  : Electrolytic |
|  : Polyester |  : Bipolar |
|  : Metalized Polyester |  : Dipped Tantalum |
|  : Polypropylene |  : Z-Type |

3. Coil

Unit of inductance is μ H, unless otherwise noted.







4. Test Point

 : Test Point position

5. Voltage Measurement

Voltage is measured by an electronic voltmeter receiving rainbow color bar signal when all customer's controls are set to the maximum position.

6. This schematic diagram is the latest at the time of printing and subject to change without notice.

7.  Positive voltage lines
 Video signal
 S-Video signal
 V or H output signal
 R.G.B. signal
 Audio signal

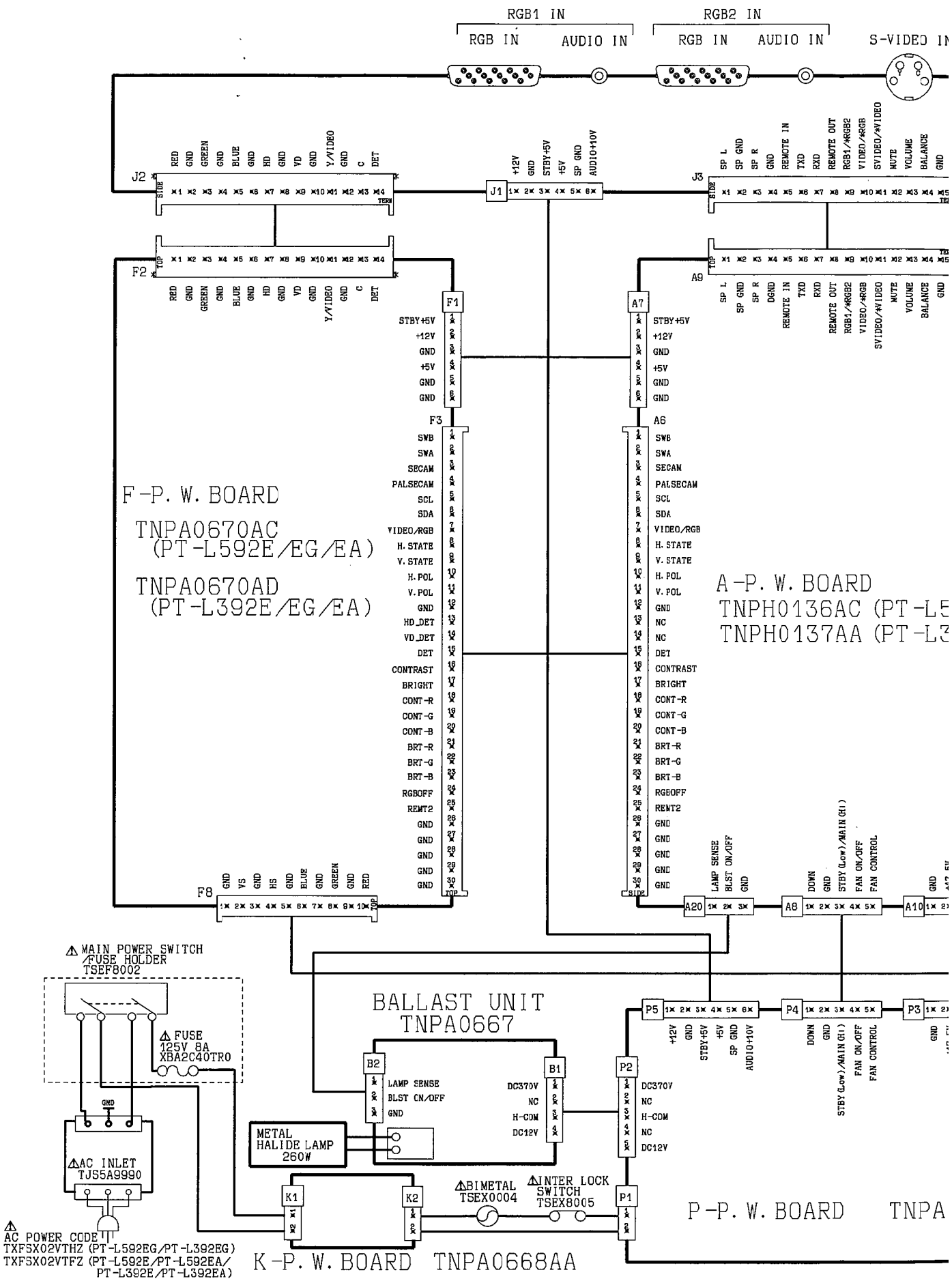
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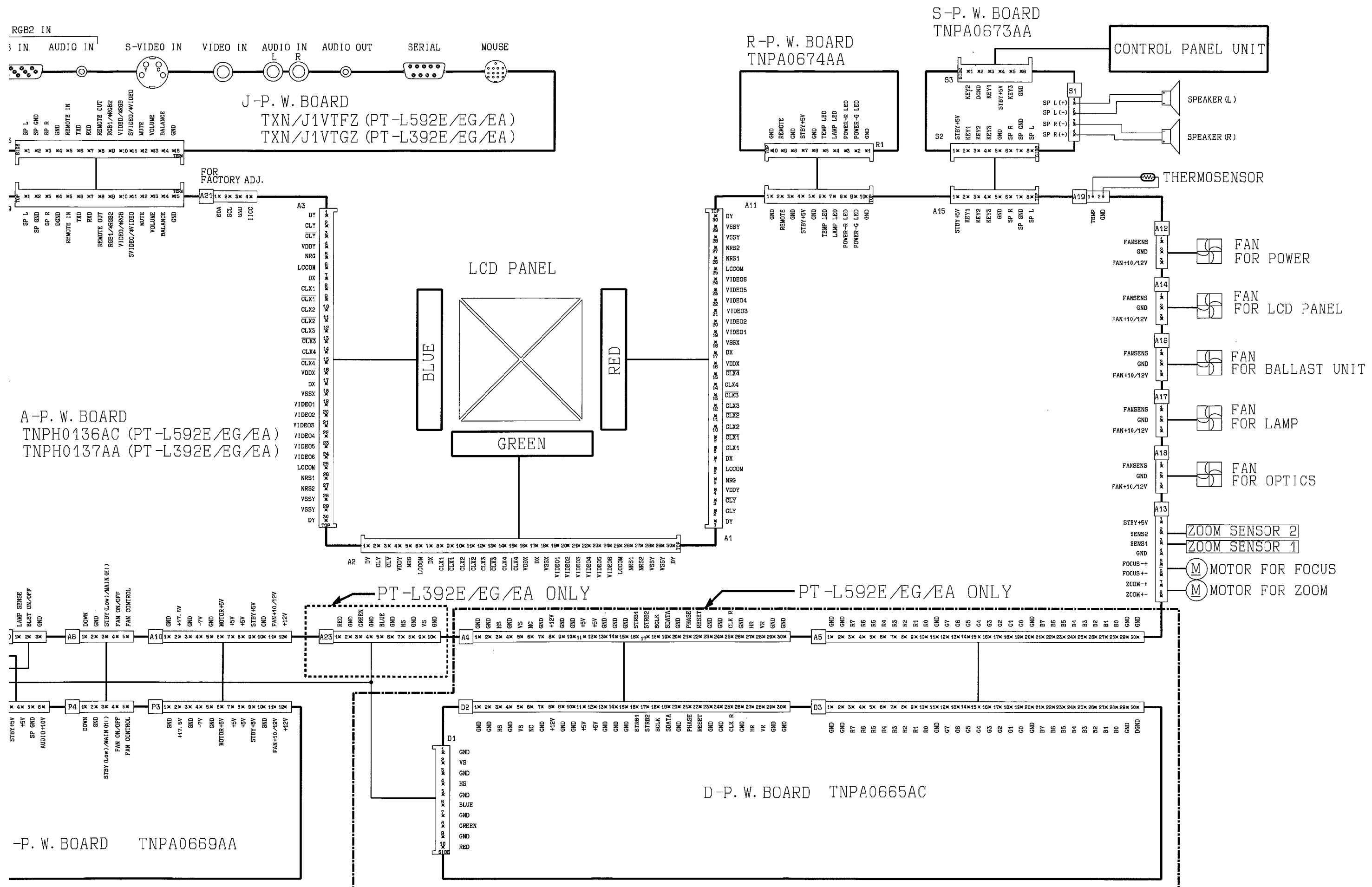
The power Circuit board contains a circuit area which uses separate power supply to isolate the ground connection. The circuit is defined by HOT and COLD indications in the schematic diagram. Take the following precautions.

PRECAUTIONS

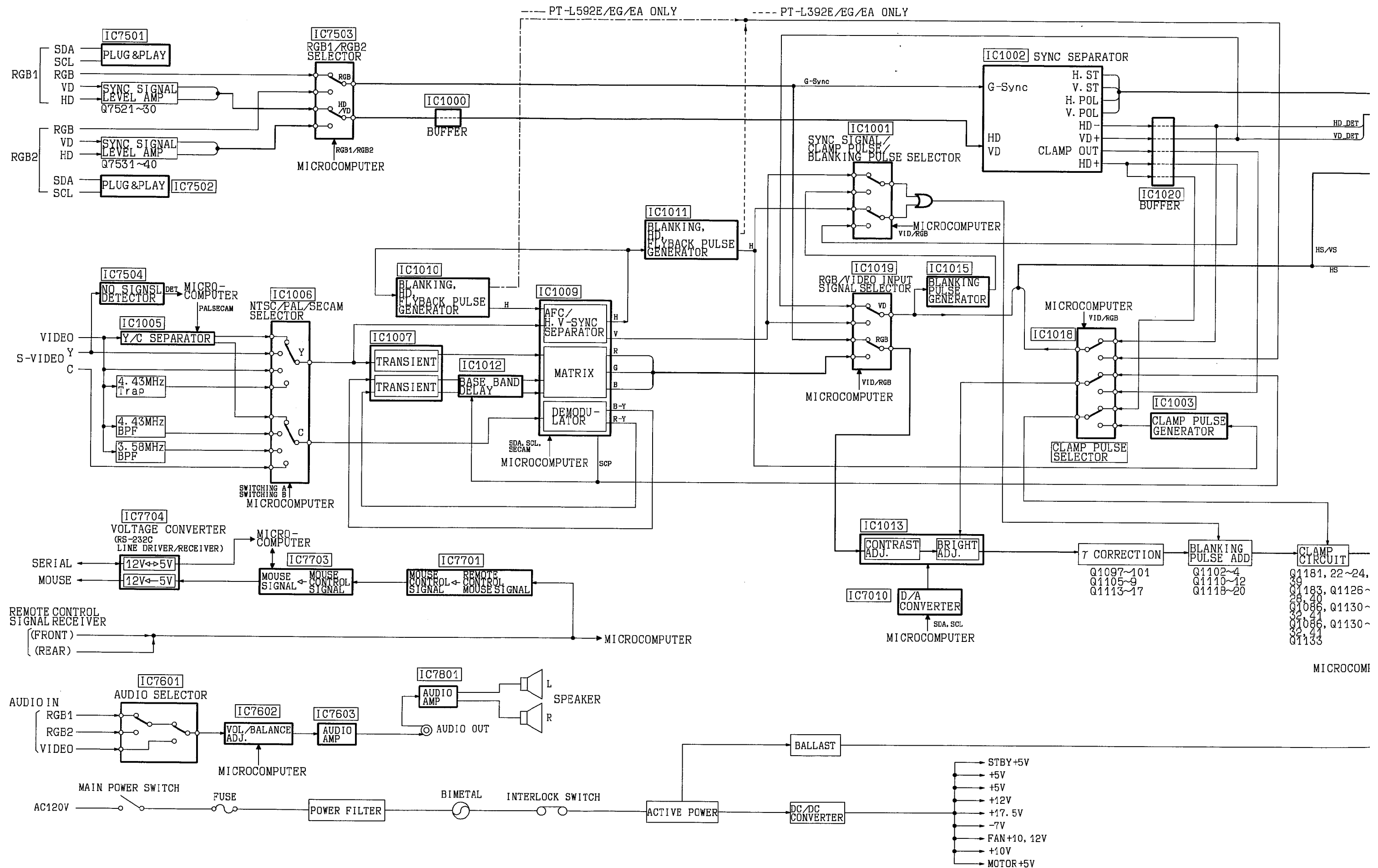
1. Do not touch the hot part or the hot and cold parts at the same time or you may receive a shock.
2. Do not short-circuit the hot and cold circuits or a fuse may blow and parts may break.
3. Do not connect an instrument, such as an oscilloscope, to the hot and cold circuits simultaneously or a fuse may blow. Connect the ground of instruments to the ground connection of the circuit being measured.
4. Make sure to disconnect the power plug before removing the chassis.

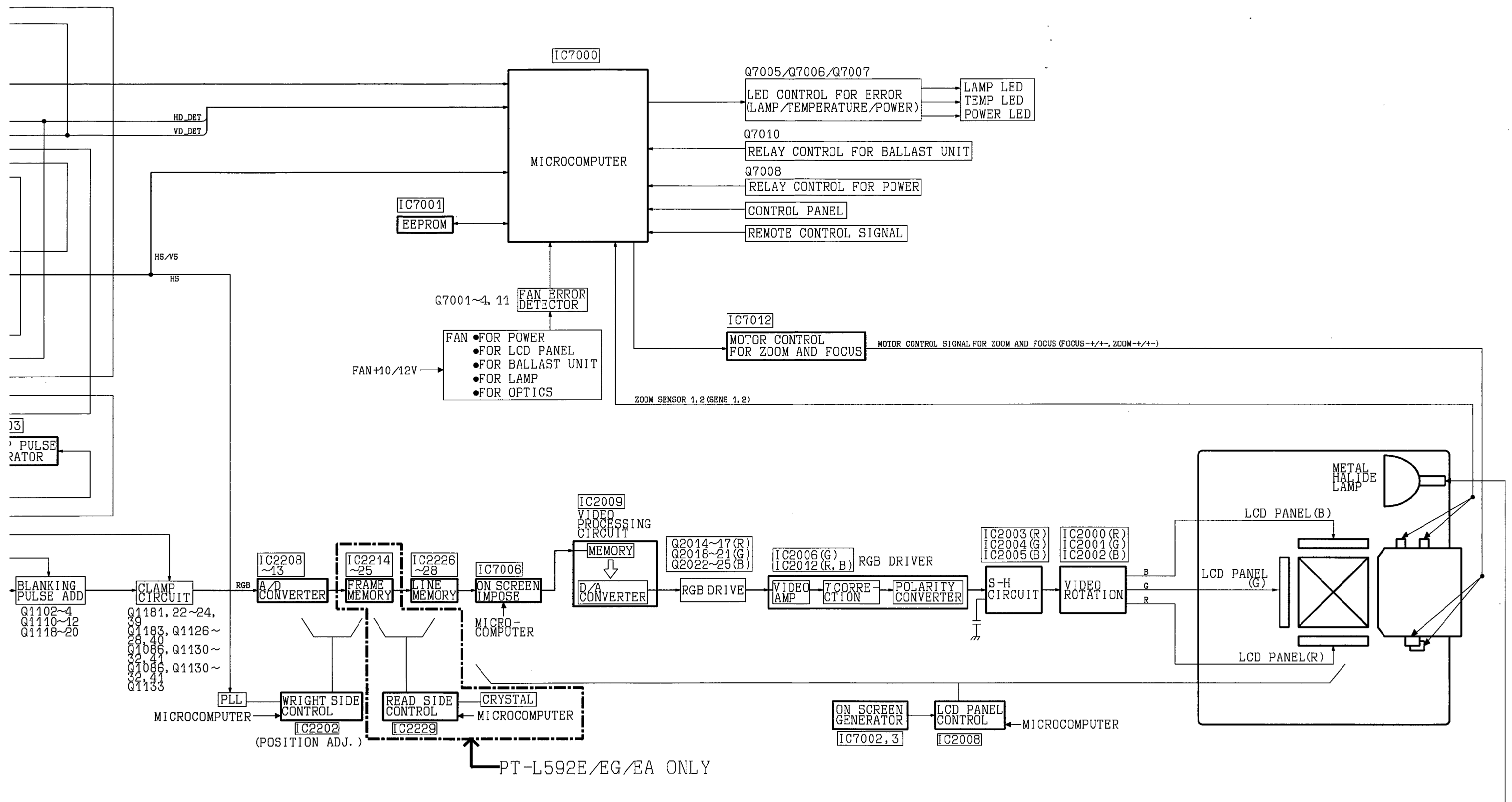
INTERCONNECTION BLOCK DIAGRAM





SIGNAL BLOCK DIAGRAM





△BIMETAL SWITCH
TSEX0004

△INTERLOCK SWITCH
TSEX8005

K2 1 2

C9103 2200p

C9102 2200p

C9106 AC250V 0.47

C9105 AC250V 0.47

C9104 AC250V 0.47

L9102 TLPD002

R9101 470k

△D9101 ERZV14D471

C9101 AC250V 0.22

R9102 8.2W

JK9103 TJCB137

JK9101 TJCB137

JK9102 TJCB137

HOT

COLD

K1 1 2

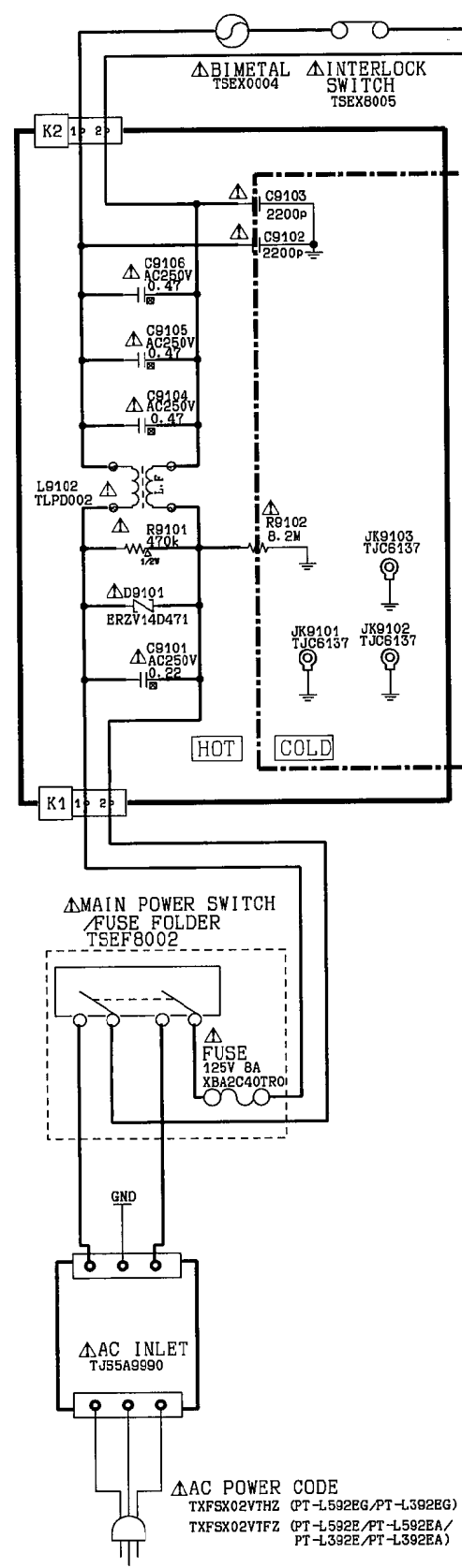
△MAIN POWER SWITCH / FUSE FOLDER
TSEF8002

FUSE 125V 8A XBA2C40TRO

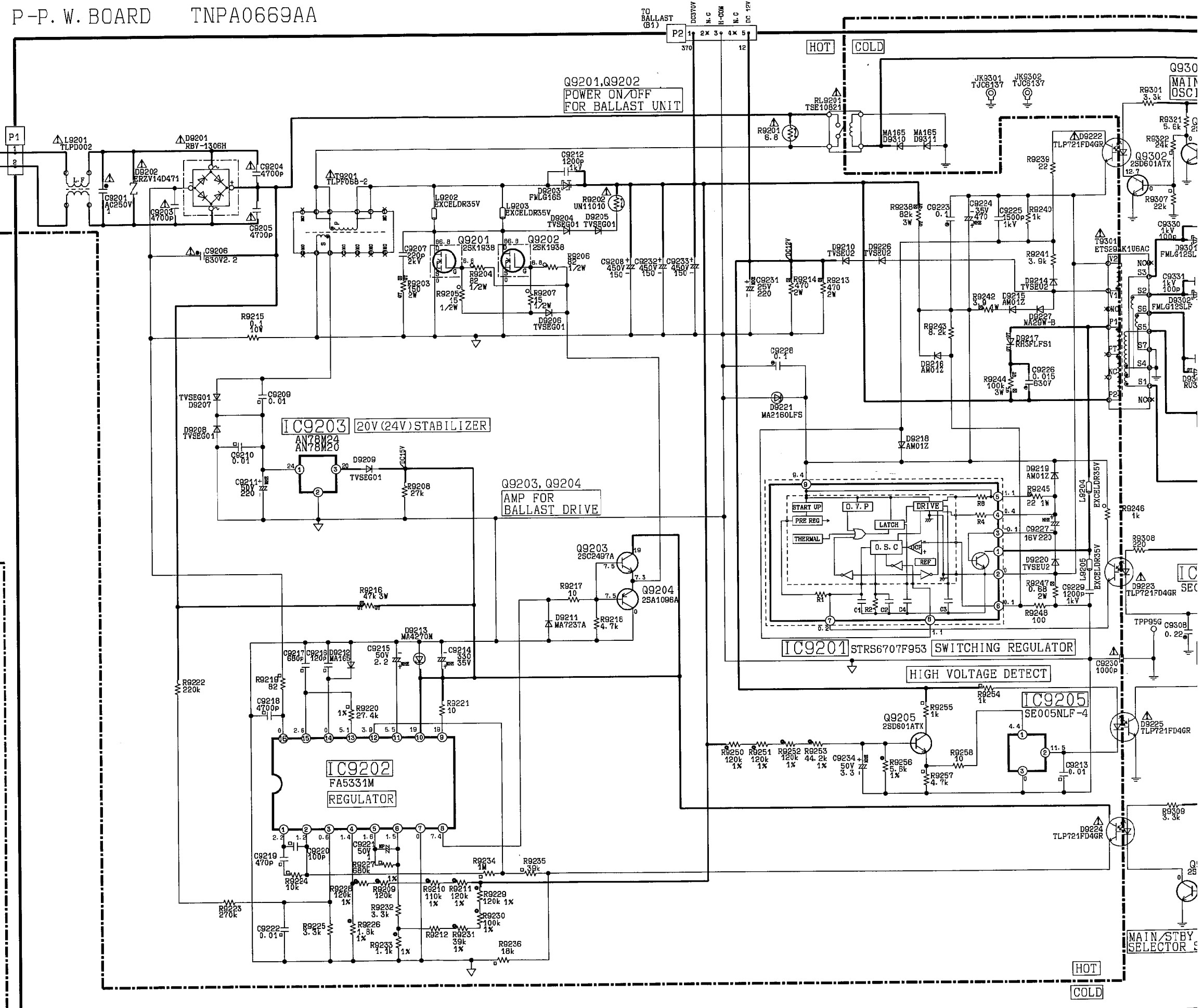
GND

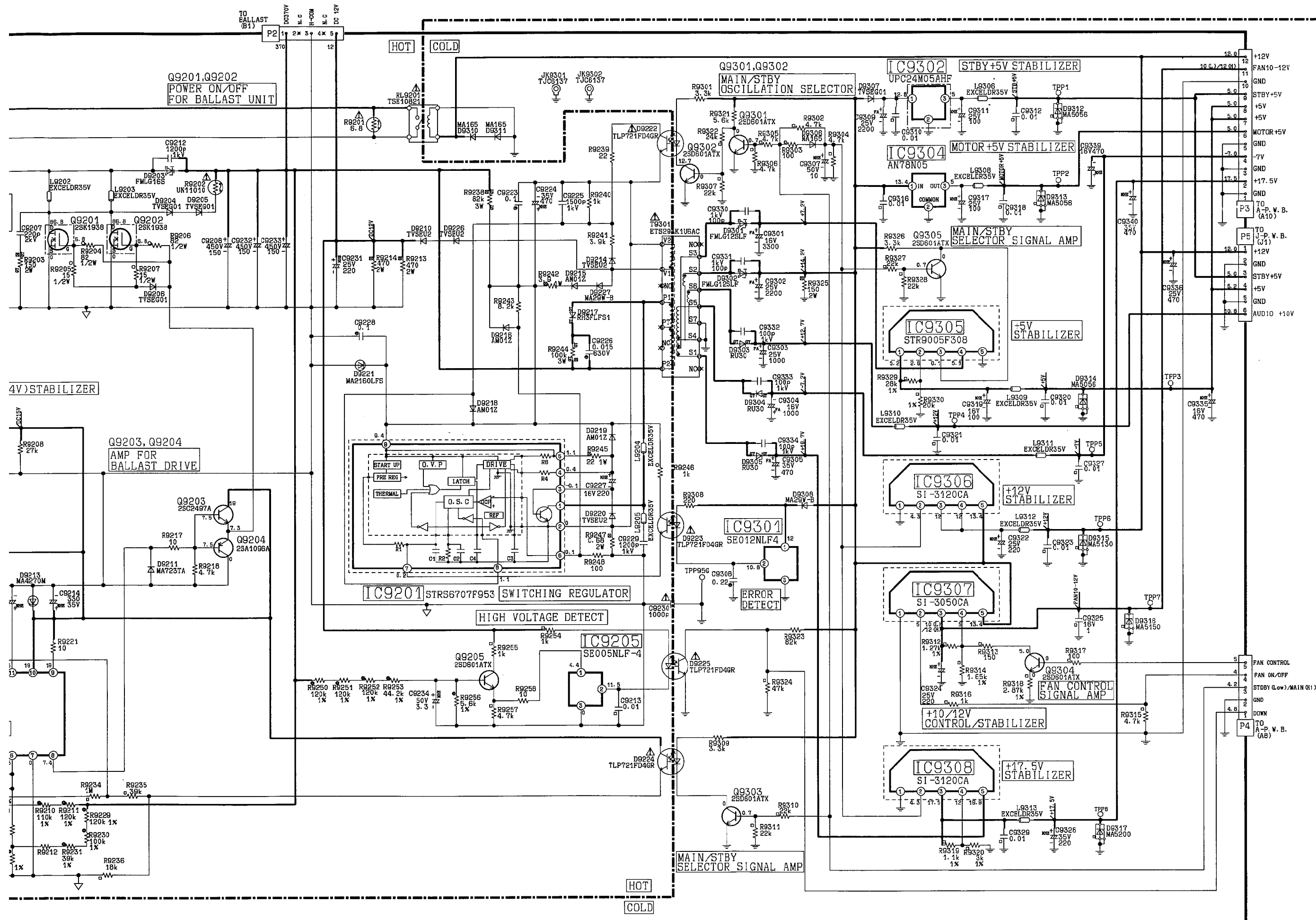
△AC INLET TJ55A9990

△AC POWER CODE
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TXFSX02V1FZ (PT-L592E/PT-L592EA/PT-L392E/PT-L392EA)



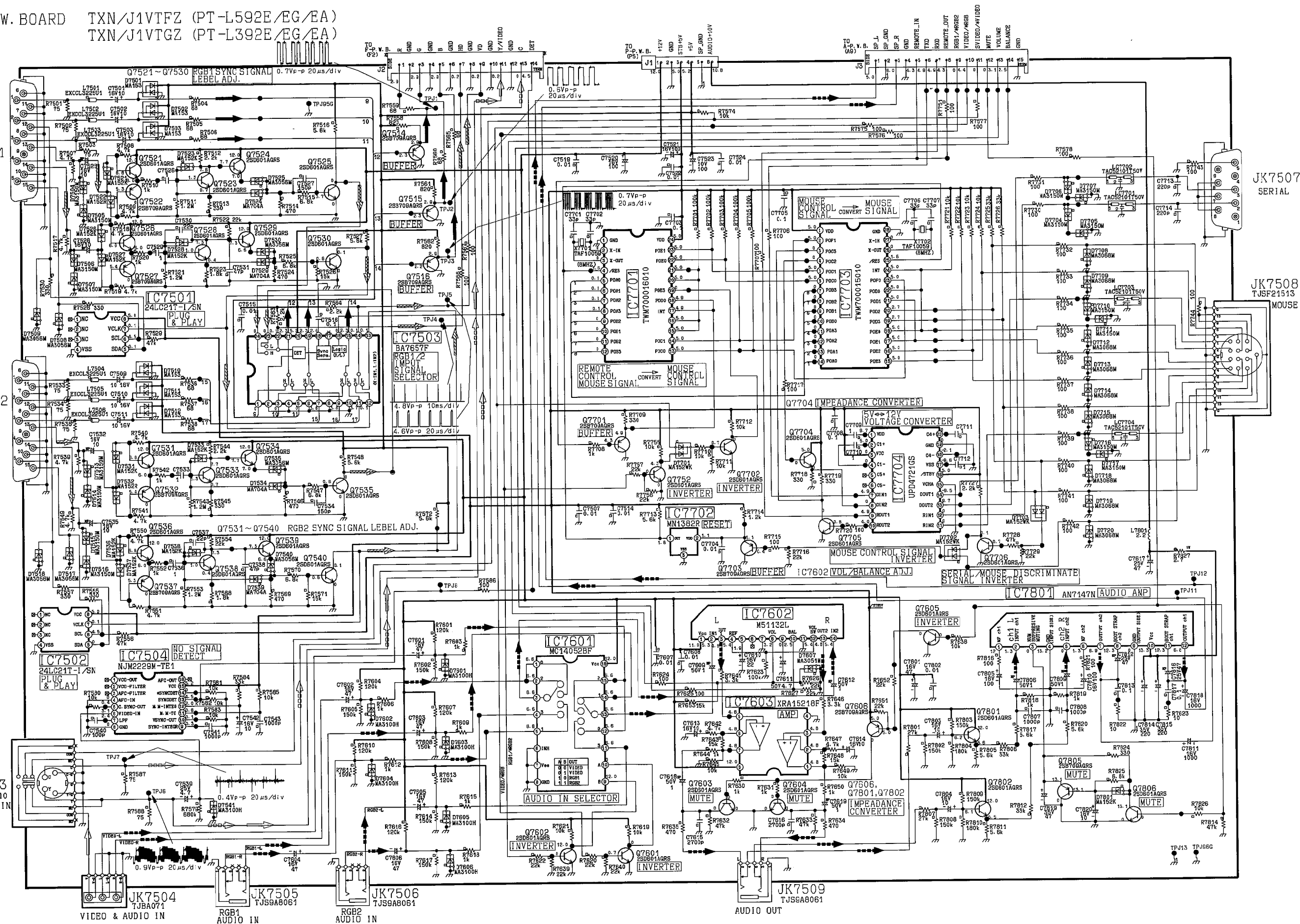
△AC POWER CODE
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TXFSX02VTFZ (PT-L592E/PT-L592EA/
PT-L392E/PT-L392EA)

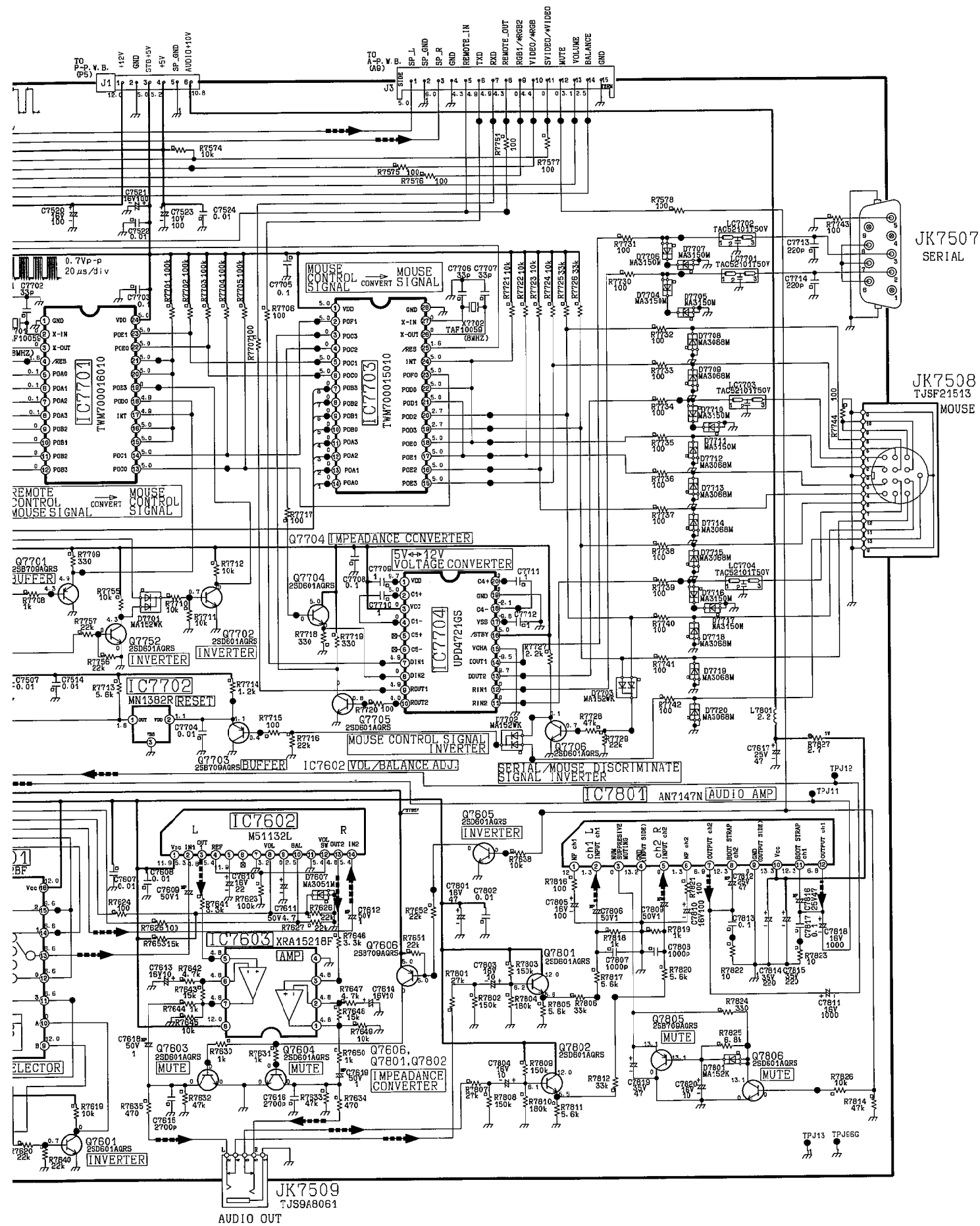




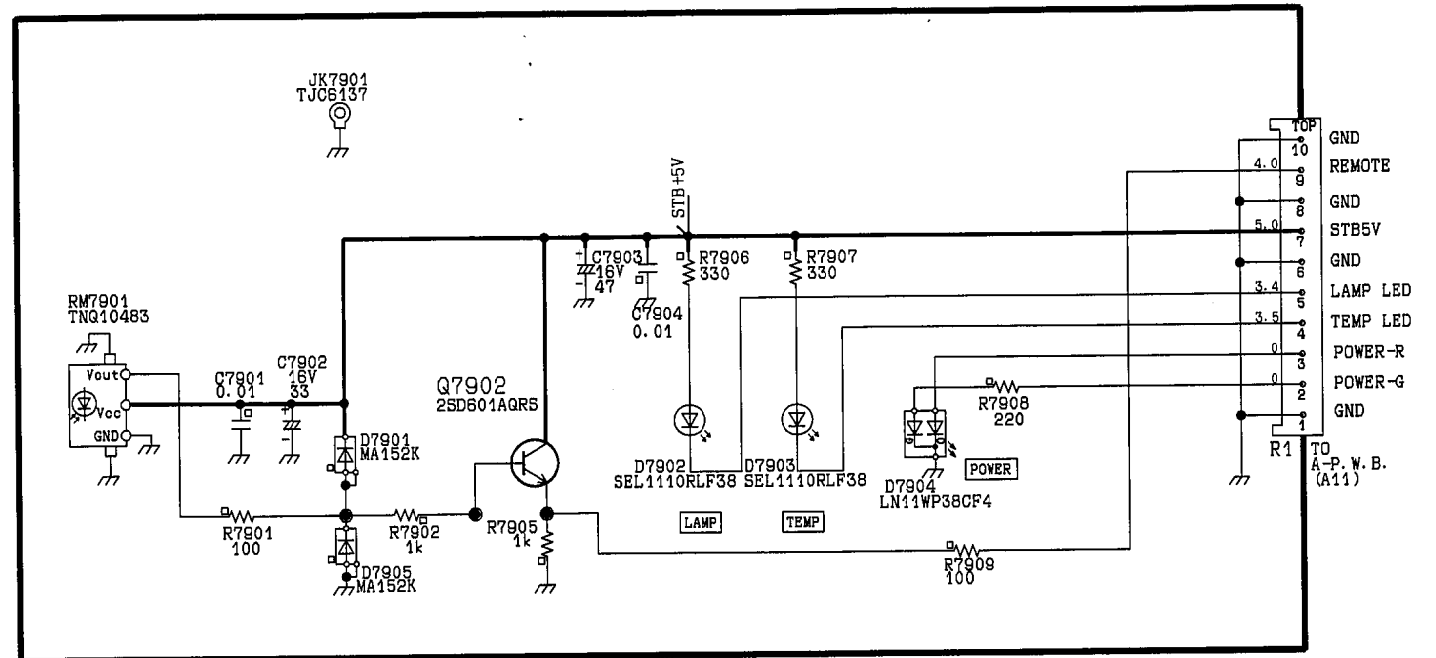
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TXN/J1VTGZ (PT-L392E/EG/EA)

R-P.W.E

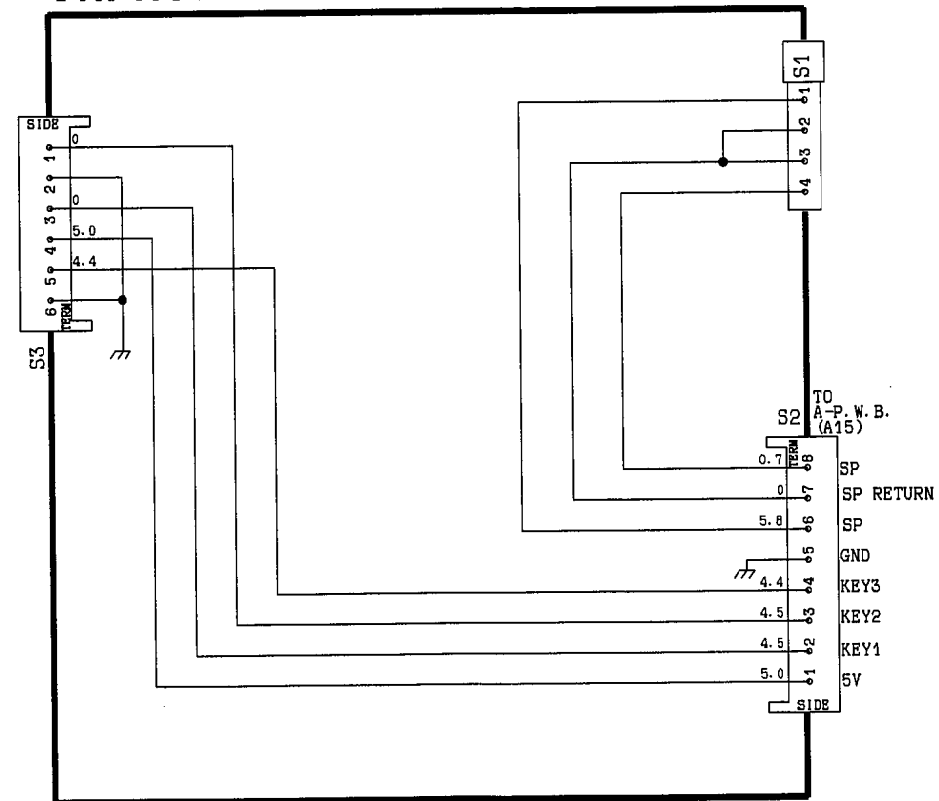
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RGB2 INJK7503
TJS2A9010
S-VIDEO INJK7504
TJBA071
VIDEO & AUDIO INJK7505
TJS9A8061
RGB1
AUDIO INJK7506
TJS9A8061
RGB2
AUDIO INJK7509
TJS9A8061
AUDIO OUTJK7507
SERIALJK7508
TJSF21513
MOUSERW7901
TRQ10483



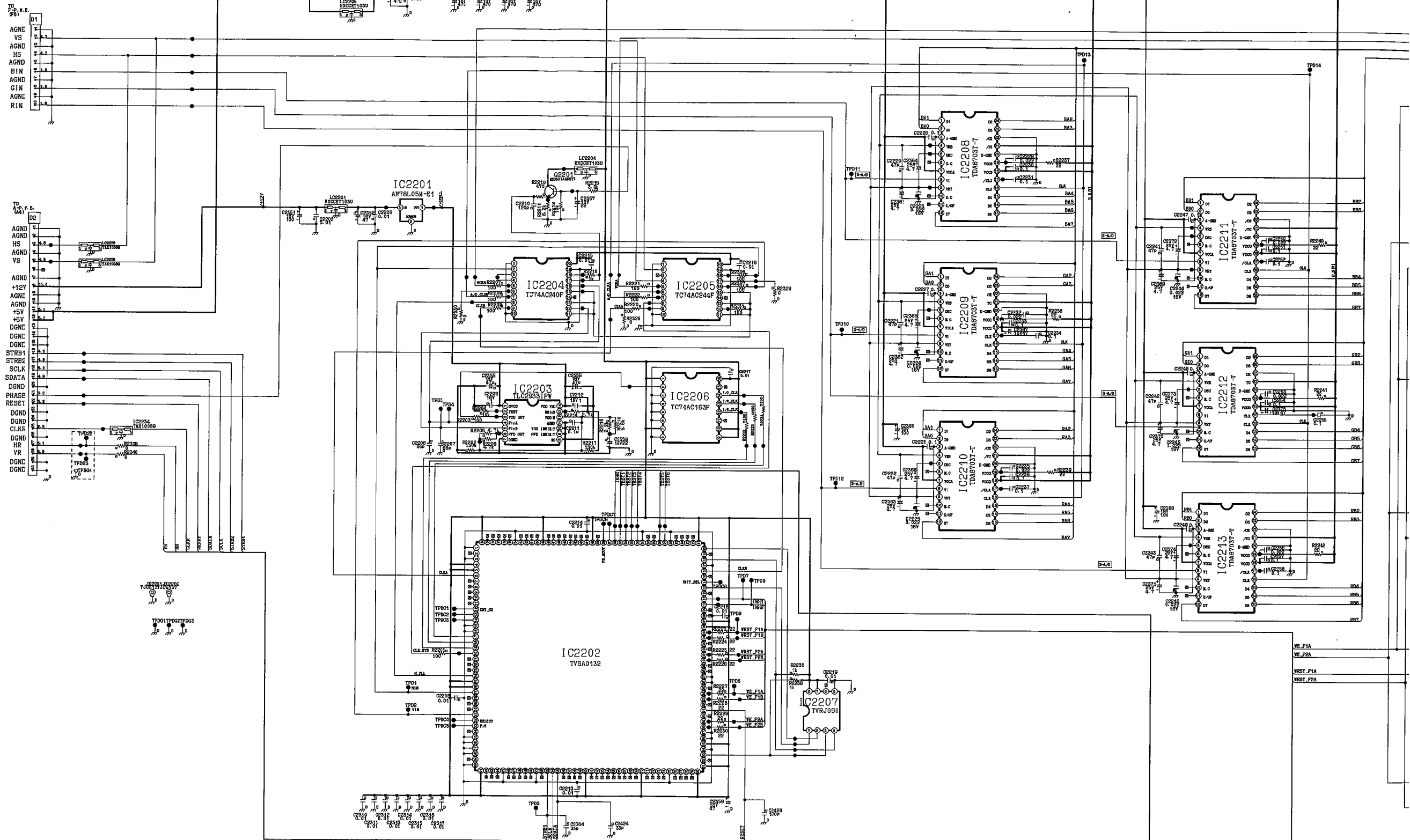
R-P.W. BOARD THPA0674AA

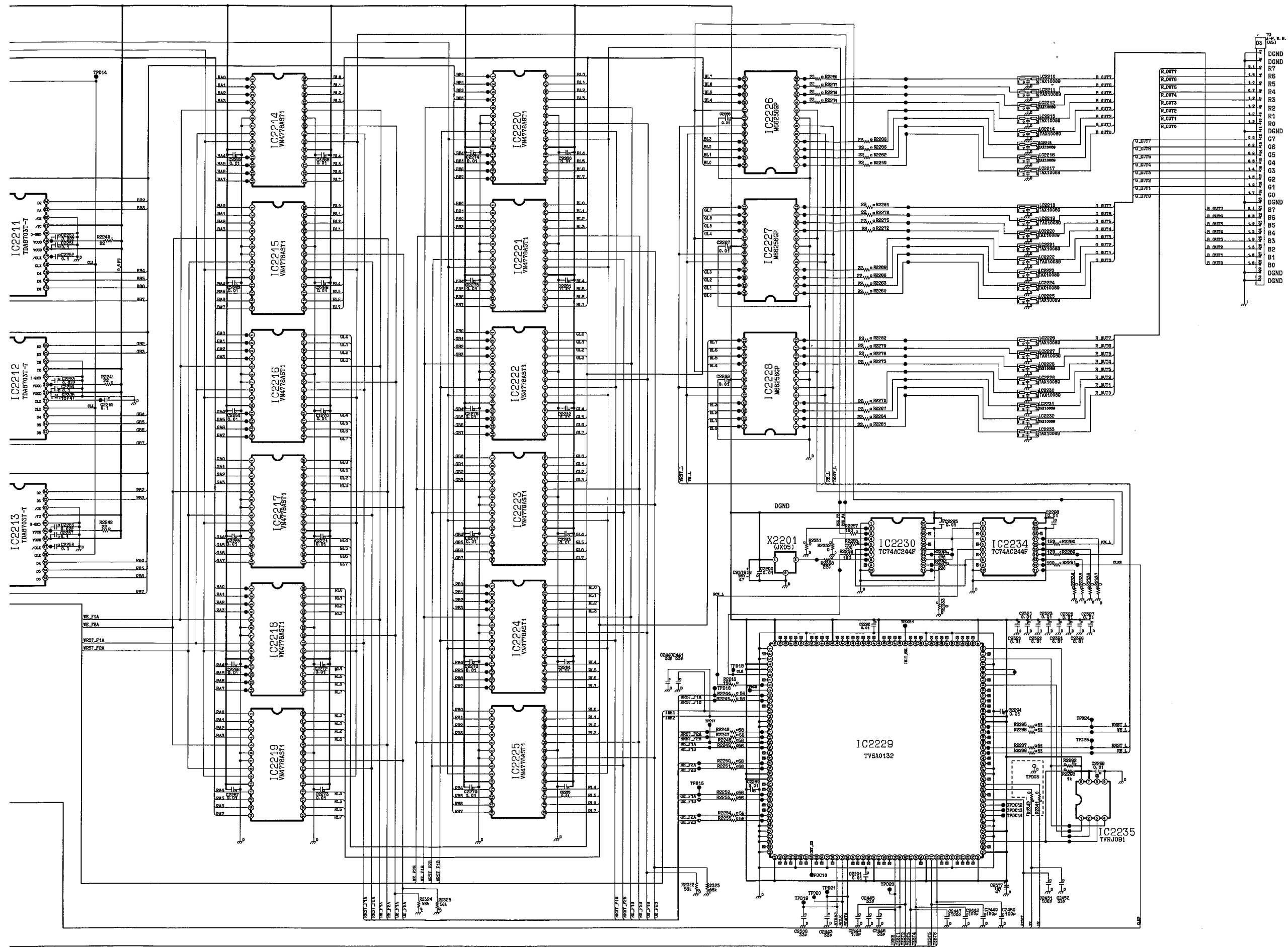


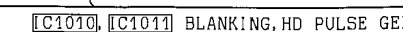
S-P.W. BOARD THPA0673AA

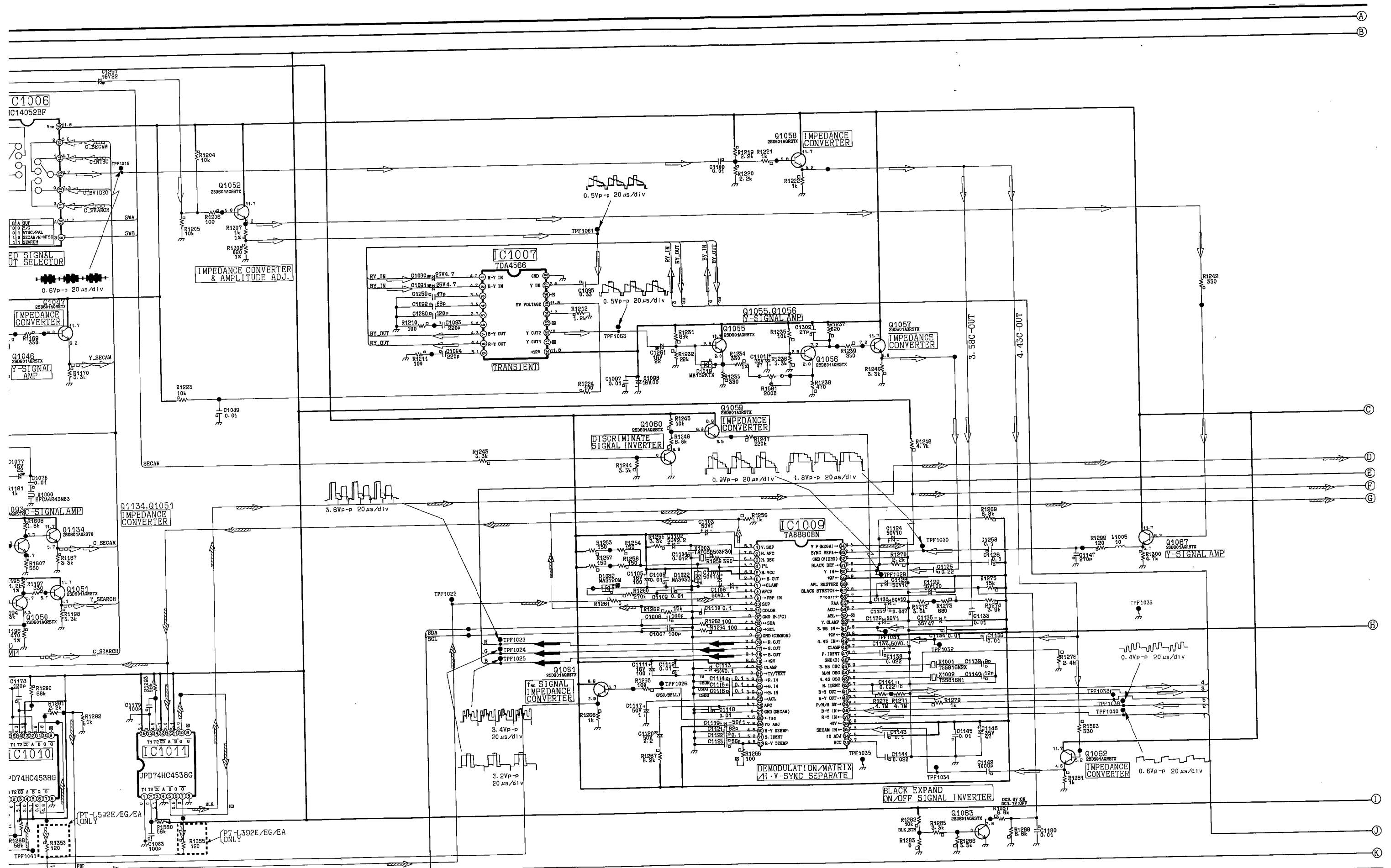


D-P.W. BOARD
TNPA0665AC
(PT-L592E/EG/EA ONLY)





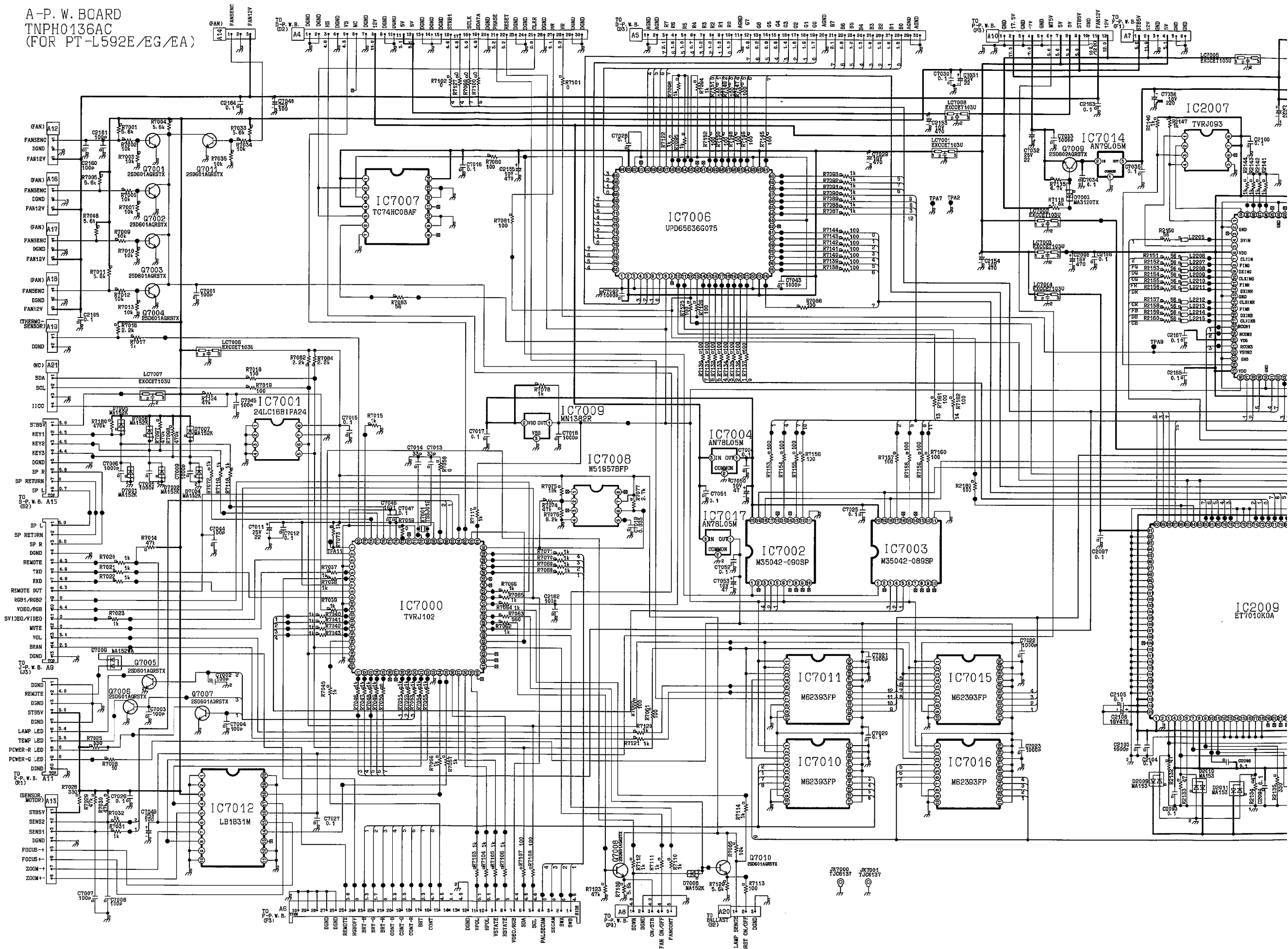


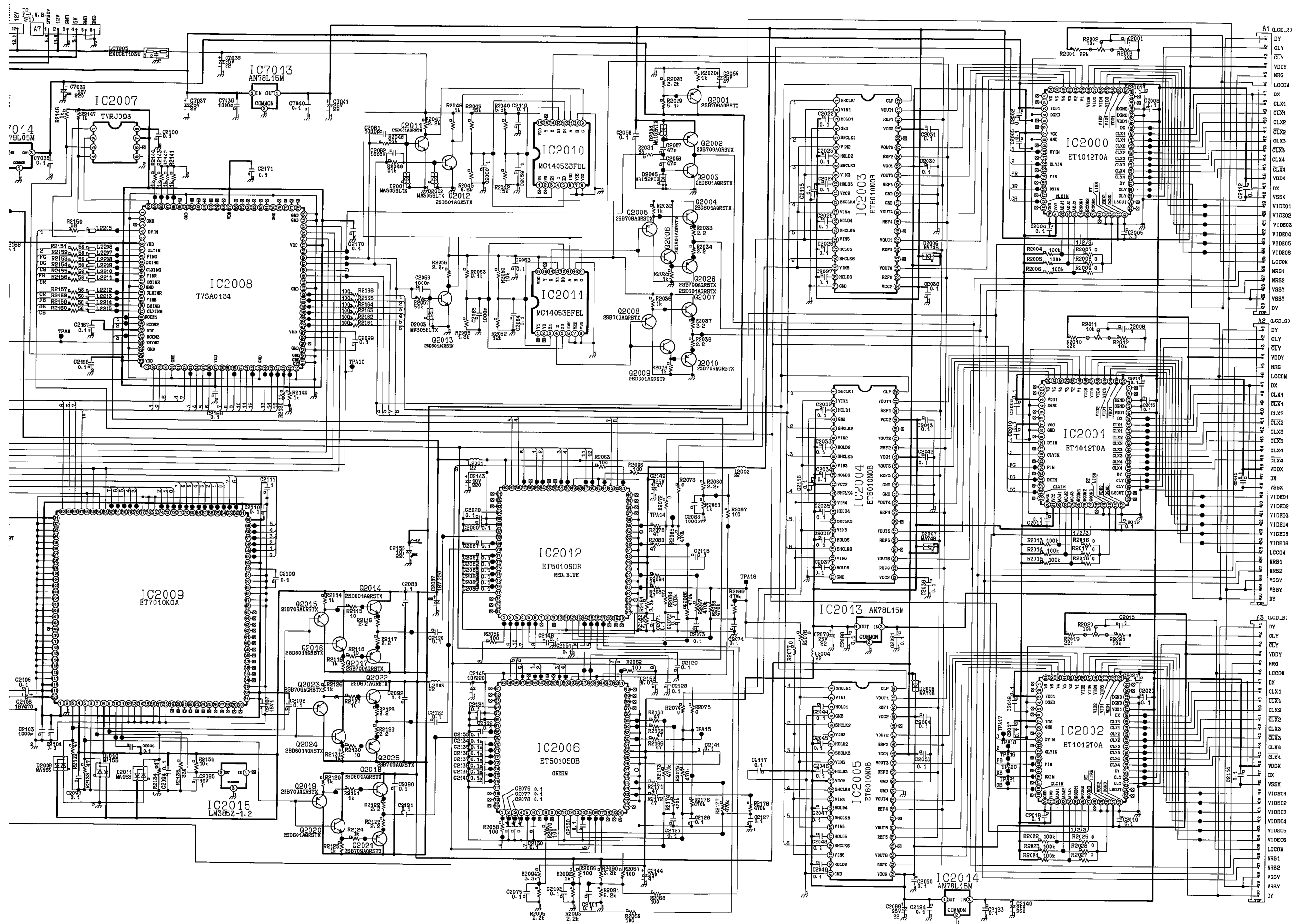


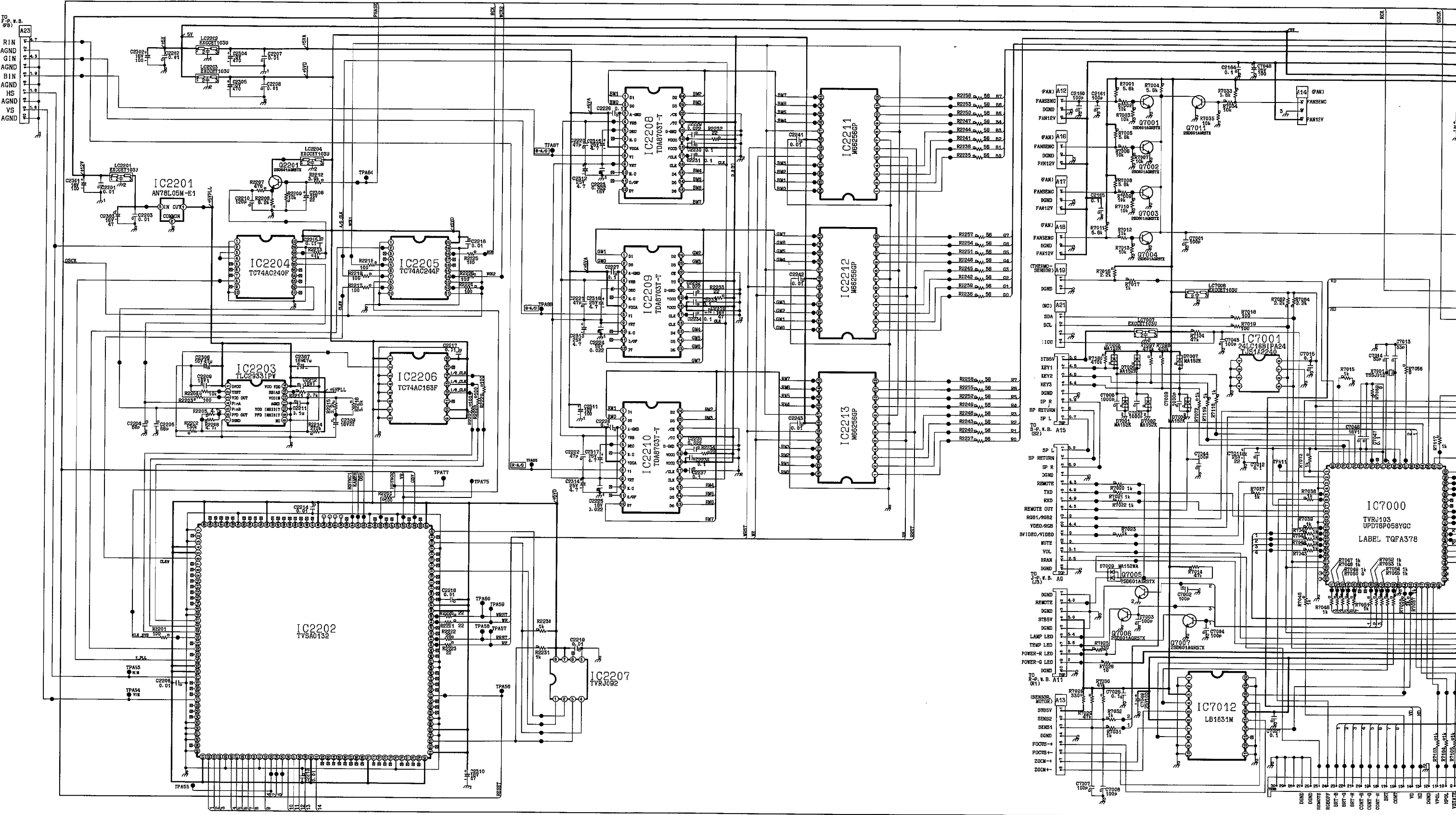
IC1010, IC1011 BLANKING, HD PULSE GENERATOR

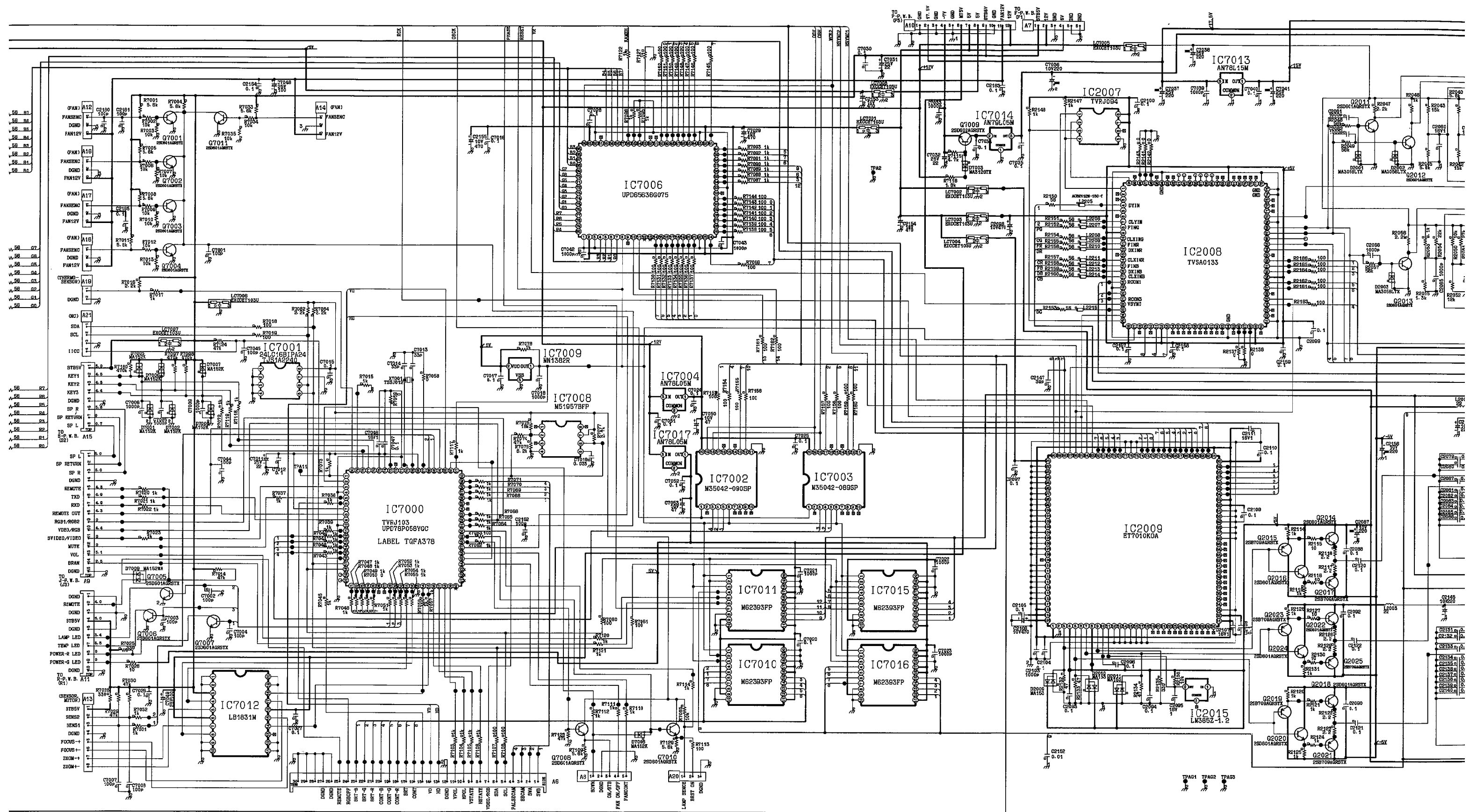


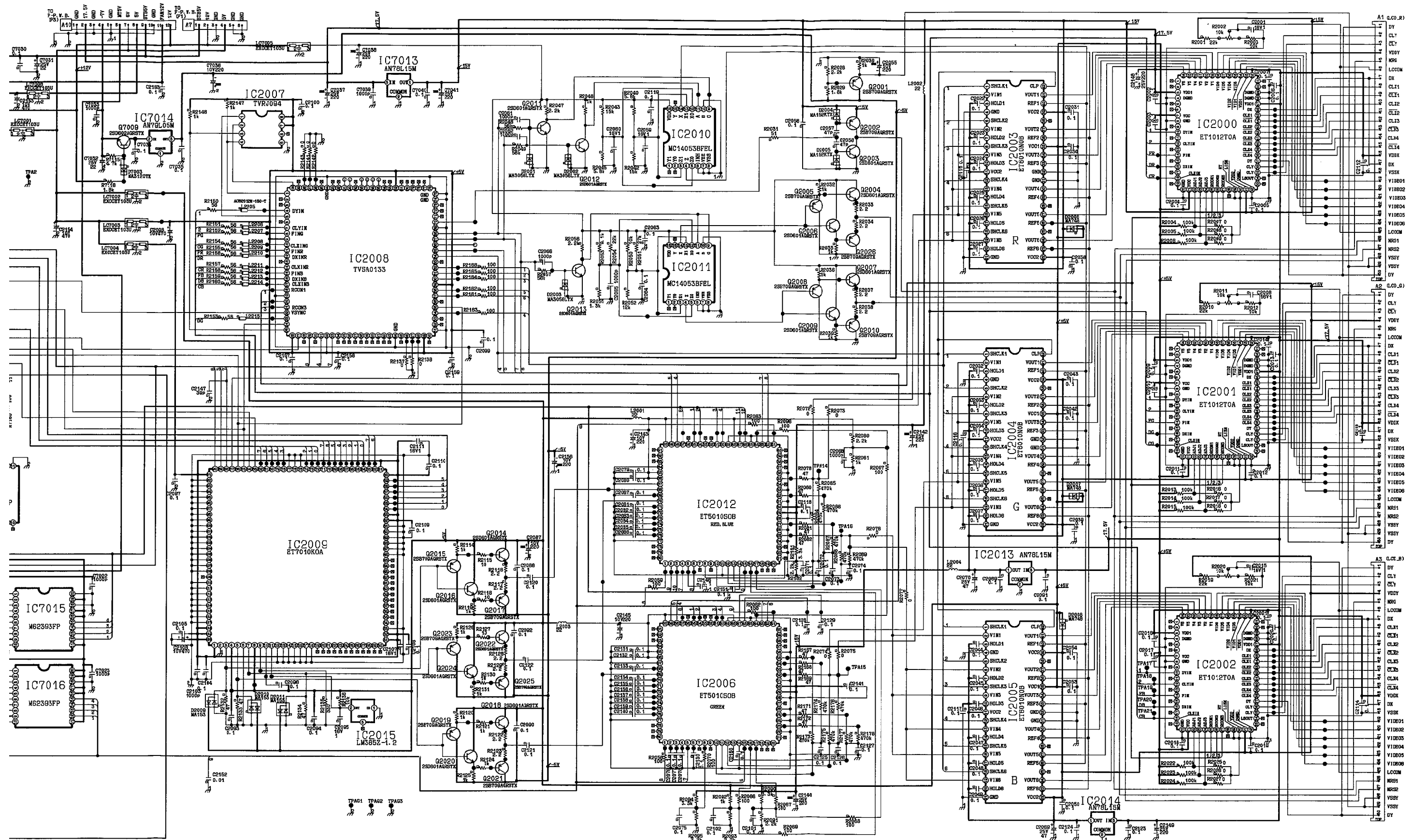




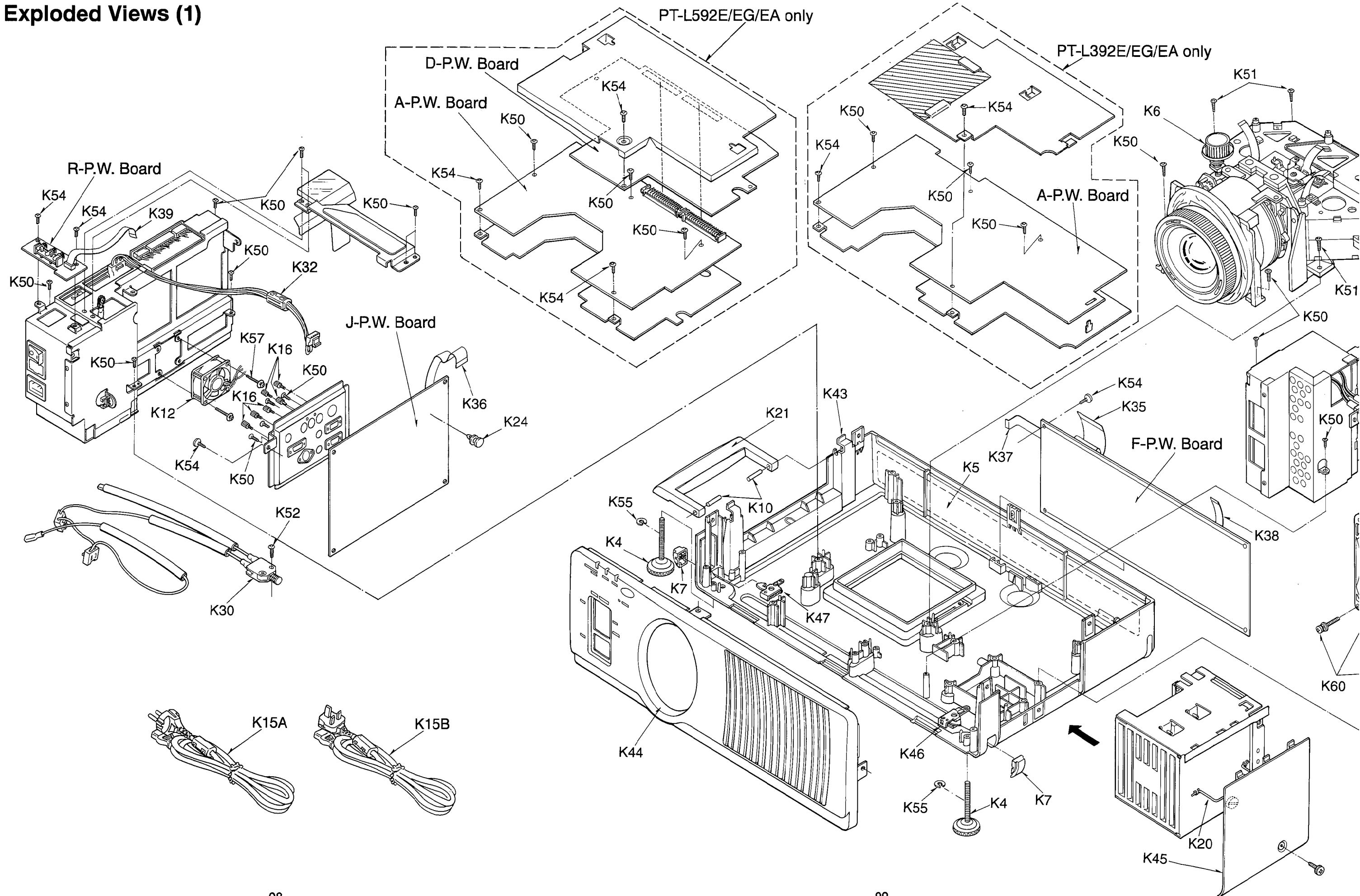




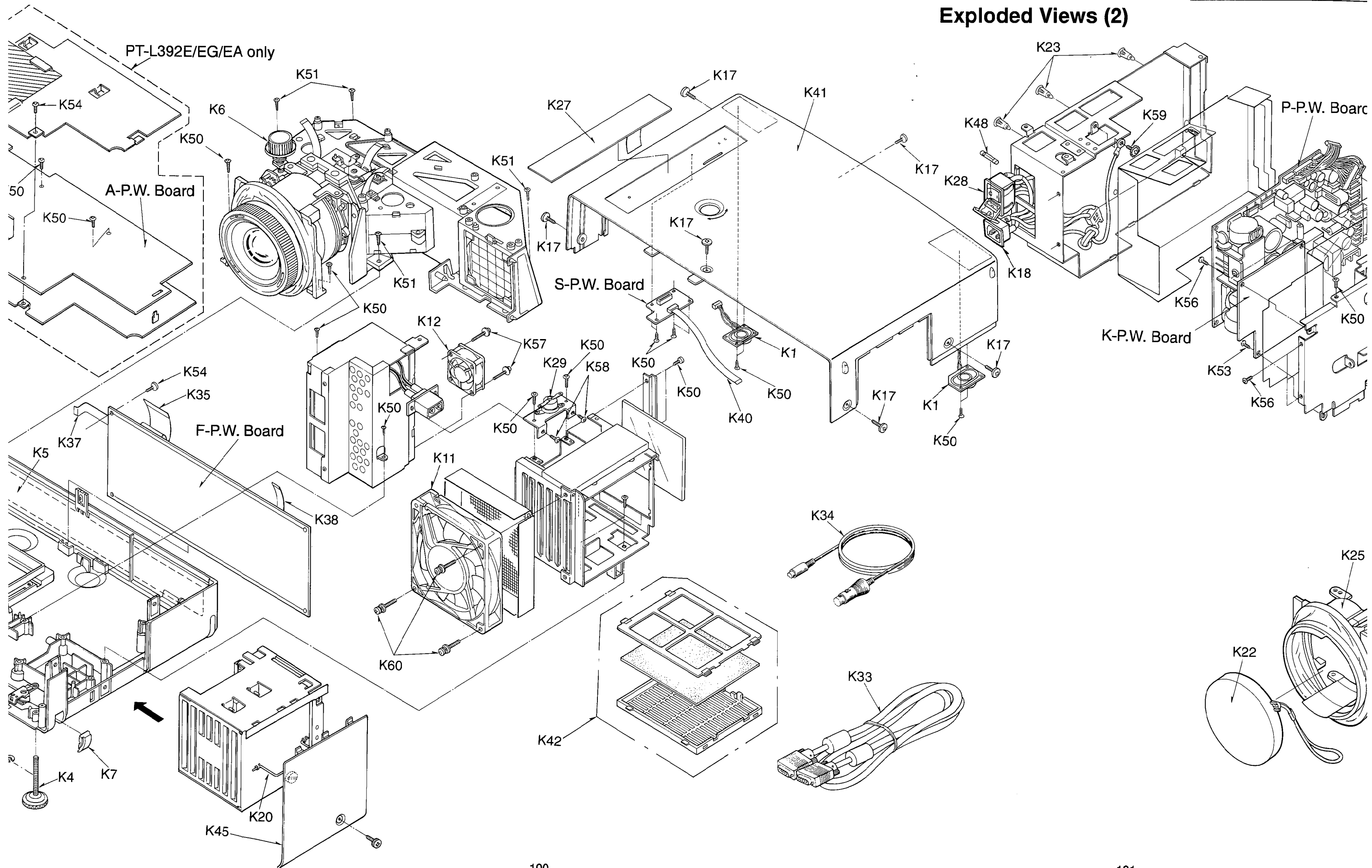




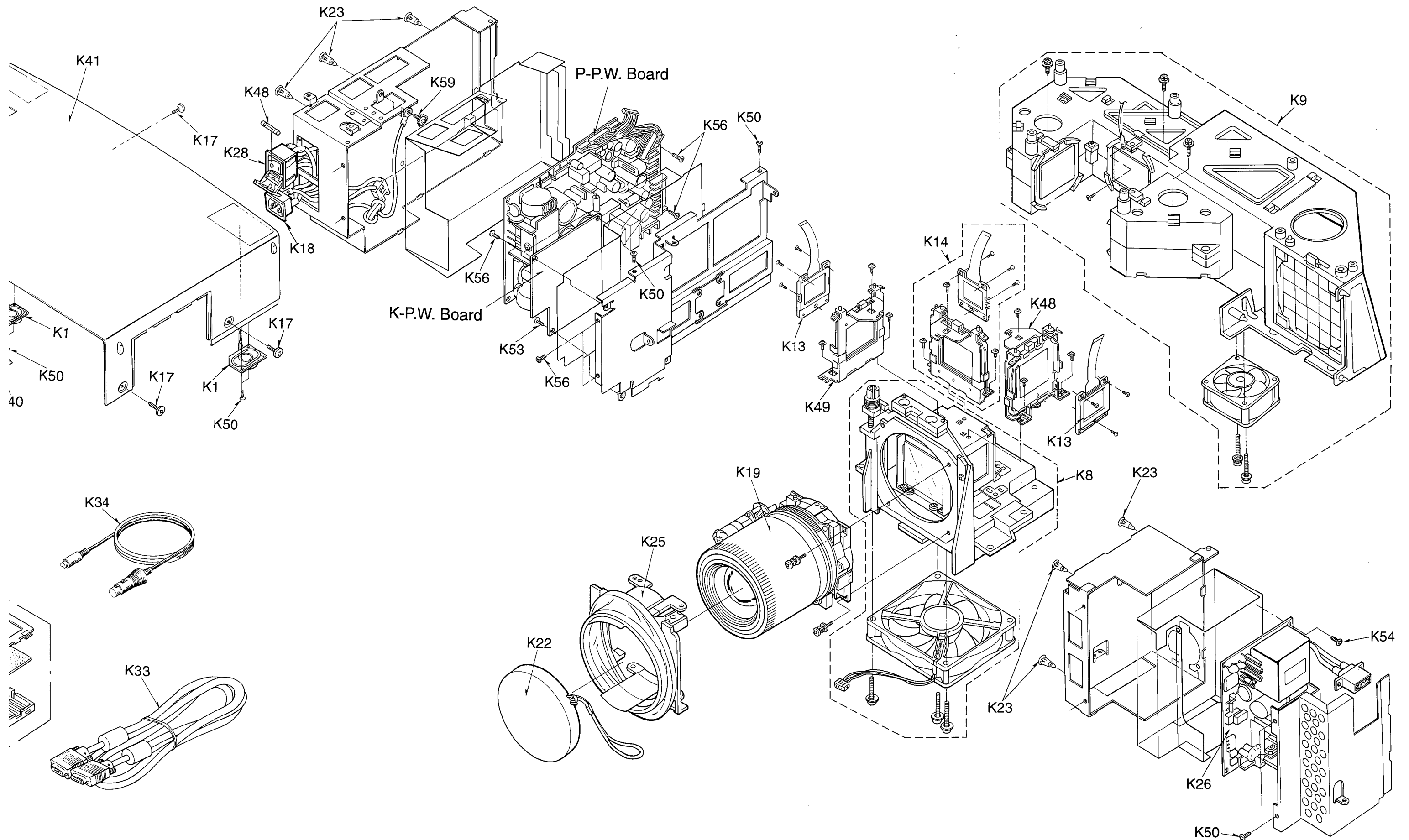
Exploded Views (1)



Exploded Views (2)



Exploded Views (2)



REPLACEMENT PARTS LIST

Important Safety Notice

Components identified by the International symbol Δ have special characteristics important for safety.
When replacing any of these components, use only manufacturer's specified parts.

Abbreviation of Part Name and Description

1. Resistor

Example:

ERD25TJ104 C 100KOHM, J, 1/4W

TYPE	ALLOWANCE
C : Carbon	F : $\pm 1\%$
F : Fuse	G : $\pm 2\%$
M : Metal Oxide Metal Film	J : $\pm 5\%$
S : Solid	K : $\pm 10\%$
W : Wire Wound	M : $\pm 20\%$

2. Capacitor

Example:

ECKF1H103ZF C 0.01PF, Z, 50V

TYPE	ALLOWANCE
C : Ceramic	C : $\pm 0.25\text{pF}$
E : Electrolytic	D : $\pm 0.5\text{pF}$
P : Polyester	F : $\pm 1\text{pF}$
PP : Polypropylene	J : $\pm 5\%$
S : Styrol	K : $\pm 10\%$
T : Tantalum	L : $\pm 15\%$
	M : $\pm 20\%$
	P : $+100\%, -0\%$
	Z : $+80\%, -20\%$

Note: For G \bigcirc \bigcirc of Ref. No., not indicate illustration of it part on "Exploded Views".

Printed circuit board assembly with mark (RTL) is no longer available after production discontinuation of the complete set.

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
MECHANICAL PARTS					
	K1	EAK4A03A		G3	TMK18527
	K13	P13SM015		K23	TMME039
				K24	TMM23416
	K13	P13VM315		G4	TMM5402-1
				G5	TMM7443-3
	K4	TBLB0016-1		G6	TMWJ006
	K5	TBMC746		K25	TMZX0004
	K5	TBMC747		K26	TNPA0667
	K5	TBMC748		G7	TNQE003
	K5	TBMC749		K27	TNXX005
	K5	TBMC750		G8	TPCA40305
	K5	TBMC751		G8	TPCA40306
	K6	TBXA09201		G8	TPCA40307
	K7	TBXA09301		G8	TPCA40308
	K8	TEDC0002		G8	TPCA40309
	K9	TEEC0002		G8	TPCA40310
	K10	TEJF008		G9	TPDA0123
Δ	K11	TEKH003-1		G10	TPDA0124
Δ	K12	TEKH008		G11	TPE114154
	K14	TENC0006		G12	TQBJ0003
	K14	TENC0010		G12	TQBJ0004
	G1	TES6348		K28	TSEF8002
	K16	THEC014N		K29	TSEX0004
	K17	THEC0179		K30	TSEX8005
	G2	TJS1A2240		K31	TSKA117
Δ	K18	TJS5A9990		K32	TSK1018
	K19	TKGF0005		K15A	TXFSX02VTFZ
	K20	TKKB5003			
	K21	TKKB5009		K15B	TXFSX02VTHZ
	K22	TKKL5020			
				K33	TSXF095
				K34	TSXF096
				K35	TSXL040

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
K36	TSXL041	CABLE 15P (J3-A9)	IC2203	TLC2933IPW	IC
K37	TSXL042	CABLE 14P (F2-J2)	IC2204	TC74AC240FEL	MOS IC (CMOS LOGIC)
K38	TSXL043	CABLE 10P (D1-F8)	IC2205	TC74AC244F	IC
K39	TSXL044	CABLE 10P (R1-A11)	IC2206	TC74AC163F	IC
K40	TSXL045	CABLE 8P (S2-A15)	● IC2207	TVRJ090-1	IC
K41	TXFKF99VTFZ	TOP COVER	○ IC2207	TVRJ092-1	IC
K42	TXFKL01VHF6	BOTTOM FILTER	IC2208	TDA8703T-T	LINEAR IC
K43	TXFTF98VTFZ	BOTTOM COVER	IC2209	TDA8703T-T	LINEAR IC
K44	TXFTF99VTFZ	FRONT COVER	IC2210	TDA8703T-T	LINEAR IC
K45	TXFXFK99TDZ	LAMP COVER	● IC2211	TDA8703T-T	LINEAR IC
K46	TXZGA01VHF6	SET LEG (R)	○ IC2211	M66256GP	IC
K47	TXZGA02VHF6	SET LEG (L)	● IC2212	TDA8703T-T	LINEAR IC
K48	TZTEN01VHF6	ADJUSTMENT METAL (R)	○ IC2212	M66256GP	IC
K49	TZTEN02VHF6	ADJUSTMENT METAL (B)	● IC2213	TDA8703T-T	LINEAR IC
K50	XTBT969Z	SCREW	○ IC2213	M66256GP	IC
K51	XTB4+15AFZ	SCREW	● IC2214	MN4778AS	MOS IC (FIFO MEMORY)
K52	XTB4+20A	SCREW	● IC2215	MN4778AS	MOS IC (FIFO MEMORY)
K53	XTV3+6J	SCREW	● IC2216	MN4778AS	MOS IC (FIFO MEMORY)
K54	XTW3+6T	TAPPING SCREW	● IC2217	MN4778AS	MOS IC (FIFO MEMORY)
G13	XUC2	E RING	● IC2218	MN4778AS	MOS IC (FIFO MEMORY)
K55	XUC3	E RING	● IC2219	MN4778AS	MOS IC (FIFO MEMORY)
K56	XYC3+FF8	SCREW	● IC2220	MN4778AS	MOS IC (FIFO MEMORY)
K57	XYN3+F25	SCREW	● IC2221	MN4778AS	MOS IC (FIFO MEMORY)
K58	XYN3+J8FZ	SCREW	● IC2222	MN4778AS	MOS IC (FIFO MEMORY)
K59	XYN4+E8	SCREW	● IC2223	MN4778AS	MOS IC (FIFO MEMORY)
K60	XYN4+F32	SCREW	● IC2224	MN4778AS	MOS IC (FIFO MEMORY)
G14	XZBT6506	POLY BAG	● IC2225	MN4778AS	MOS IC (FIFO MEMORY)
INTEGRATED CIRCUITS			● IC2226	M66256GP	IC
IC1000	74HCT244NSL	I.C	● IC2227	M66256GP	IC
IC1001	TC74HC4053AL	MOS IC (CMOS LOGIC)	● IC2228	M66256GP	IC
IC1002	M52346SP	LINEAR IC	● IC2229	TVSA0132	IC
IC1003	UPD74HC4538G	MOS IC (CMOS LOGIC)	● IC2230	TC74AC244F	IC
IC1004	AN78N09	LINEAR IC	● IC2234	TC74AC244F	IC
IC1005	MN8236	MOS IC	● IC2235	TVRJ091-1	IC
IC1006	MC14052BF	MOS IC (CMOS GATE)	● IC7000	TVRJ102A	IC
IC1007	TDA4566	LINEAR IC	○ IC7000	TVRJ103-1	IC
IC1009	TA8880BN	LINEAR IC	IC7001	24LC16BIP24	IC
IC1010	UPD74HC4538G	MOS IC (CMOS LOGIC)	IC7002	M35042-090SP	IC
IC1011	UPD74HC4538G	MOS IC (CMOS LOGIC)	IC7003	M35042-089SP	IC
IC1012	TA8772AN	LINEAR IC	IC7004	AN78L05M	LINEAR IC
IC1013	AN93B06K	LINEAR IC	IC7006	UPD65636G075	MOS IC (CMOS GATE)
IC1015	UPD74HC4538G	MOS IC (CMOS LOGIC)	● IC7007	TC74HC08AF	IC
IC1018	TC74HC4053AL	MOS IC (CMOS LOGIC)	IC7008	M51957BFP	LINEAR IC
IC1019	BA7657F	IC	IC7009	MN1382R	IC
IC1020	SN74HC244NS	MOS IC	IC7010	M62393FP	IC
IC2000	ET1012T0A	IC	IC7011	M62393FP	IC
IC2001	ET1012T0A	IC	IC7012	LB1831M	IC
IC2002	ET1012T0A	IC	IC7013	AN78L15M	IC
IC2003	ET6010N0B	IC	IC7014	AN79L05M	IC
IC2004	ET6010N0B	IC	IC7015	M62393FP	IC
IC2005	ET6010N0B	IC	IC7016	M62393FP	IC
IC2006	ET5010S0B	IC	IC7017	AN78L05M	LINEAR IC
● IC2007	TVRJ093	IC	IC7501	24LC21T-I/SN	IC
○ IC2007	TVRJ094-1	IC	IC7502	24LC21T-I/SN	IC
● IC2008	TVSA0134	IC	IC7503	BA7657F	IC
○ IC2008	TVSA0133	IC	IC7504	NJM2229M	IC
IC2009	ET7010K0A	IC	IC7601	MC14052BF	MOS IC (CMOS GATE)
IC2010	MC14053BF	MOS IC (LOGIC)	IC7602	M51132L	LINEAR IC
IC2011	MC14053BF	MOS IC (LOGIC)	IC7603	XRA15218F	LINEAR IC
IC2012	ET5010S0B	IC	IC7701	TWM700016010	MOS IC (4 BIT)
IC2013	AN78L15M	IC	IC7702	MN1382R	IC
IC2014	AN78L15M	IC	IC7703	TWM700015010	MOS IC (4 BIT)
IC2015	LM385Z-1.2	IC	IC7704	UPD4721GS	MOS IC (CMOS LOGIC)
IC2201	AN78L05M	LINEAR IC	IC7801	AN7147N	IC
IC2202	TVSA0132	IC	IC9201	STRS6707F953	LINEAR IC
			IC9202	FA5331M	IC
			IC9203	AN78M20	LINEAR IC
			IC9205	SE005N	HYBRID IC
			IC9301	SE012N	HYBRID IC

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
IC9302	UPC24M05AHF	IC	Q1092	2SD601AQ	TRANSISTOR
IC9304	AN78N05	LINEAR IC	Q1093	2SD601AQ	TRANSISTOR
IC9305	STR9005F308A	IC	Q1097	2SD601AQ	TRANSISTOR
IC9306	SI-3120CA	HYBRID IC	Q1098	2SB709AR	TRANSISTOR
IC9307	SI-3050CA	HYBRID IC	Q1099	2SC2480S	TRANSISTOR
IC9308	SI-3120CA	HYBRID IC	Q1100	2SB709AR	TRANSISTOR
TRANSISTORS			Q1101	2SA1462	TRANSISTOR
Q1003	2SD601AQ	TRANSISTOR	Q1102	2SB709AR	TRANSISTOR
Q1004	2SD601AQ	TRANSISTOR	Q1103	2SD601AQ	TRANSISTOR
Q1005	2SD601AQ	TRANSISTOR	Q1104	2SD601AQ	TRANSISTOR
Q1006	2SD601AQ	TRANSISTOR	Q1105	2SD601AQ	TRANSISTOR
Q1018	2SD601AQ	TRANSISTOR	Q1106	2SB709AR	TRANSISTOR
Q1019	2SD601AQ	TRANSISTOR	Q1107	2SC2480S	TRANSISTOR
Q1020	2SD601AQ	TRANSISTOR	Q1108	2SB709AR	TRANSISTOR
Q1021	2SD601AQ	TRANSISTOR	Q1109	2SA1462	TRANSISTOR
Q1024	2SD601AQ	TRANSISTOR	Q1110	2SB709AR	TRANSISTOR
Q1025	2SD601AQ	TRANSISTOR	Q1111	2SD601AQ	TRANSISTOR
Q1026	2SD601AQ	TRANSISTOR	Q1112	2SD601AQ	TRANSISTOR
Q1028	2SD601AQ	TRANSISTOR	Q1113	2SD601AQ	TRANSISTOR
Q1029	2SD601AQ	TRANSISTOR	Q1114	2SB709AR	TRANSISTOR
Q1030	2SD601AQ	TRANSISTOR	Q1115	2SC2480S	TRANSISTOR
Q1031	2SD601AQ	TRANSISTOR	Q1116	2SB709AR	TRANSISTOR
Q1033	2SD601AQ	TRANSISTOR	Q1117	2SA1462	TRANSISTOR
Q1034	2SD601AQ	TRANSISTOR	Q1118	2SB709AR	TRANSISTOR
Q1035	2SD601AQ	TRANSISTOR	Q1119	2SD601AQ	TRANSISTOR
Q1036	2SB709AR	TRANSISTOR	Q1120	2SD601AQ	TRANSISTOR
Q1037	2SD601AQ	TRANSISTOR	Q1122	2SD601AQ	TRANSISTOR
Q1039	2SD601AQ	TRANSISTOR	Q1123	2SB709AR	TRANSISTOR
Q1040	2SD601AQ	TRANSISTOR	Q1124	2SD601AQ	TRANSISTOR
Q1041	2SD601AQ	TRANSISTOR	Q1126	2SD601AQ	TRANSISTOR
Q1042	2SD601AQ	TRANSISTOR	Q1127	2SB709AR	TRANSISTOR
Q1043	2SD601AQ	TRANSISTOR	Q1128	2SD601AQ	TRANSISTOR
Q1044	2SB709AR	TRANSISTOR	Q1130	2SD601AQ	TRANSISTOR
Q1045	2SD601AQ	TRANSISTOR	Q1131	2SB709AR	TRANSISTOR
Q1046	2SD601AQ	TRANSISTOR	Q1132	2SD601AQ	TRANSISTOR
Q1047	2SD601AQ	TRANSISTOR	Q1133	2SB709AR	TRANSISTOR
Q1048	2SD601AQ	TRANSISTOR	Q1134	2SD601AQ	TRANSISTOR
Q1049	2SD601AQ	TRANSISTOR	Q1135	2SD601AQ	TRANSISTOR
Q1050	2SD601AQ	TRANSISTOR	Q1136	2SB709AR	TRANSISTOR
Q1051	2SD601AQ	TRANSISTOR	Q1137	2SB709AR	TRANSISTOR
Q1052	2SD601AQ	TRANSISTOR	Q1138	2SB709AR	TRANSISTOR
Q1054	2SD601AQ	TRANSISTOR	Q1139	2SD601AQ	TRANSISTOR
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Q1058	2SD601AQ	TRANSISTOR	Q1149	2SD601AQ	TRANSISTOR
Q1059	2SD601AQ	TRANSISTOR	Q1181	2SB709AR	TRANSISTOR
Q1060	2SD601AQ	TRANSISTOR	Q2001	2SB709AR	TRANSISTOR
Q1061	2SD601AQ	TRANSISTOR	Q2002	2SB709AR	TRANSISTOR
Q1062	2SD601AQ	TRANSISTOR	Q2003	2SD601AQ	TRANSISTOR
Q1063	2SD601AQ	TRANSISTOR	Q2004	2SD601AQ	TRANSISTOR
Q1065	2SD601AQ	TRANSISTOR	Q2005	2SB709AR	TRANSISTOR
Q1066	2SD601AQ	TRANSISTOR	Q2006	2SD601AQ	TRANSISTOR
Q1067	2SD601AQ	TRANSISTOR	Q2007	2SD601AQ	TRANSISTOR
Q1075	2SD601AQ	TRANSISTOR	Q2008	2SB709AR	TRANSISTOR
Q1076	2SD601AQ	TRANSISTOR	Q2009	2SD601AQ	TRANSISTOR
Q1082	2SB709AR	TRANSISTOR	Q2010	2SB709AR	TRANSISTOR
Q1083	2SB709AR	TRANSISTOR	Q2011	2SD601AQ	TRANSISTOR
Q1084	2SD601AQ	TRANSISTOR	Q2012	2SD601AQ	TRANSISTOR
Q1085	2SB709AR	TRANSISTOR	Q2013	2SD601AQ	TRANSISTOR
Q1086	2SB709AR	TRANSISTOR	Q2014	2SD601AQ	TRANSISTOR
Q1087	2SD601AQ	TRANSISTOR	Q2015	2SB709AR	TRANSISTOR
Q1088	2SB709AR	TRANSISTOR	Q2016	2SD601AQ	TRANSISTOR
Q1090	2SD601AQ	TRANSISTOR	Q2017	2SB709AR	TRANSISTOR
Q1091	2SB709AR	TRANSISTOR	Q2018	2SD601AQ	TRANSISTOR
			Q2019	2SB709AR	TRANSISTOR
			Q2020	2SD601AQ	TRANSISTOR
			Q2021	2SB709AR	TRANSISTOR
			Q2022	2SD601AQ	TRANSISTOR

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
Q2023	2SB709AR	TRANSISTOR	DIODES		
Q2024	2SD601AQ	TRANSISTOR	D1010	MA152K	DIODE
Q2025	2SB709AR	TRANSISTOR	D1011	MA3056M	ZENER DIODE
Q2026	2SB709AR	TRANSISTOR	D1013	MA152K	DIODE
Q2201	2SD601AQ	TRANSISTOR	D1014	MA3075L	ZENER DIODE
Q7001	2SD601AQ	TRANSISTOR	D1015	MA152K	DIODE
Q7002	2SD601AQ	TRANSISTOR	D1016	MA3075L	ZENER DIODE
Q7003	2SD601AQ	TRANSISTOR	D1017	MA3056M	ZENER DIODE
Q7004	2SD601AQ	TRANSISTOR	D1019	MA152K	DIODE
Q7005	2SD601AQ	TRANSISTOR	D1022	MA3033	DIODE
Q7006	2SD601AQ	TRANSISTOR	D1026	MA152K	DIODE
Q7007	2SD601AQ	TRANSISTOR	D1027	MA152WK	DIODE
Q7008	2SD601AQ	TRANSISTOR	D1028	MA152WK	DIODE
Q7009	2SD602A-R	TRANSISTOR	D1029	MA152WK	DIODE
Q7010	2SD601AQ	TRANSISTOR	D1030	MA152WK	DIODE
Q7011	2SD601AQ	TRANSISTOR	D1032	MA3120M	ZENER DIODE
Q7514	2SB709AR	TRANSISTOR	D1033	MA152K	DIODE
Q7515	2SB709AR	TRANSISTOR	D1034	MA152K	DIODE
Q7516	2SB709AR	TRANSISTOR	D1036	MA152K	DIODE
Q7521	2SD601AQ	TRANSISTOR	D1037	MA28WA	DIODE
Q7522	2SB709AR	TRANSISTOR	D1038	MA28WA	DIODE
Q7523	2SD601AQ	TRANSISTOR	D1039	MA28WA	DIODE
Q7524	2SD601AQ	TRANSISTOR	D2001	MA3056L	DIODE
Q7525	2SD601AQ	TRANSISTOR	D2002	MA3056L	DIODE
Q7526	2SD601AQ	TRANSISTOR	D2003	MA3056L	DIODE
Q7527	2SB709AR	TRANSISTOR	D2004	MA152K	DIODE
Q7528	2SD601AQ	TRANSISTOR	D2005	MA152K	DIODE
Q7529	2SD601AQ	TRANSISTOR	D2006	MA748	DIODE
Q7530	2SD601AQ	TRANSISTOR	D2007	MA748	DIODE
Q7531	2SD601AQ	TRANSISTOR	D2008	MA748	DIODE
Q7532	2SB709AR	TRANSISTOR	D2009	MA153A	DIODE
Q7533	2SD601AQ	TRANSISTOR	D2010	MA153A	DIODE
Q7534	2SD601AQ	TRANSISTOR	D2011	MA153A	DIODE
Q7535	2SD601AQ	TRANSISTOR	D7001	MA152K	DIODE
Q7536	2SD601AQ	TRANSISTOR	D7002	MA152K	DIODE
Q7537	2SB709AR	TRANSISTOR	D7003	MA3120	DIODE
Q7538	2SD601AQ	TRANSISTOR	D7004	MA152K	DIODE
Q7539	2SD601AQ	TRANSISTOR	D7005	MA152K	DIODE
Q7540	2SD601AQ	TRANSISTOR	D7006	MA152K	DIODE
Q7601	2SD601AQ	TRANSISTOR	D7007	MA152K	DIODE
Q7602	2SD601AQ	TRANSISTOR	D7008	MA152K	DIODE
Q7603	2SD601AQ	TRANSISTOR	D7009	MA152WA	DIODE
Q7604	2SD601AQ	TRANSISTOR	D7501	MA153A	DIODE
Q7605	2SD601AQ	TRANSISTOR	D7502	MA153A	DIODE
Q7606	2SB709AR	TRANSISTOR	D7503	MA153A	DIODE
Q7701	2SB709AR	TRANSISTOR	D7504	MA3150M	DIODE
Q7702	2SD601AQ	TRANSISTOR	D7505	MA3150M	DIODE
Q7703	2SB709AR	TRANSISTOR	D7506	MA3150M	DIODE
Q7704	2SD601AQ	TRANSISTOR	D7507	MA3150M	DIODE
Q7705	2SD601AQ	TRANSISTOR	D7508	MA3056M	ZENER DIODE
Q7706	2SD601AQ	TRANSISTOR	D7509	MA3056M	ZENER DIODE
Q7752	2SD601AQ	TRANSISTOR	D7510	MA153A	DIODE
Q7801	2SD601AQ	TRANSISTOR	D7511	MA153A	DIODE
Q7802	2SD601AQ	TRANSISTOR	D7512	MA153A	DIODE
Q7805	2SB709AR	TRANSISTOR	D7513	MA3150M	DIODE
Q7806	2SD601AQ	TRANSISTOR	D7514	MA3150M	DIODE
Q7902	2SD601AQ	TRANSISTOR	D7515	MA3150M	DIODE
Q9201	2SK1938	TRANSISTOR	D7516	MA3150M	DIODE
Q9202	2SK1938	TRANSISTOR	D7517	MA3056M	ZENER DIODE
Q9203	2SC2497A	TRANSISTOR	D7518	MA3056M	ZENER DIODE
Q9204	2SA1096A	TRANSISTOR	D7521	MA152K	DIODE
Q9205	2SD601AR	TRANSISTOR	D7522	MA152K	DIODE
Q9301	2SD601AR	TRANSISTOR	D7523	MA152K	DIODE
Q9302	2SD601AR	TRANSISTOR	D7524	MA704A	DIODE
Q9303	2SD601AR	TRANSISTOR	D7525	MA3056M	ZENER DIODE
Q9304	2SD601AR	TRANSISTOR	D7526	MA152K	DIODE
Q9305	2SD601AR	TRANSISTOR	D7527	MA152K	DIODE



Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
L9204	EXCELD35C	CORE	RESISTORS		
L9205	EXCELD35C	CORE	R1000	ERJ6GEYJ103	M 10KOHM, J, 1/10W
L9306	EXCELD35C	CORE	R1001	ERJ6GEYJ103	M 10KOHM, J, 1/10W
L9308	EXCELD35C	CORE	R1003	ERJ6GEYJ331	M 330 OHM, J, 1/10W
L9309	EXCELD35C	CORE	R1004	ERJ6GEYJ331	M 330 OHM, J, 1/10W
L9310	EXCELD35C	CORE	R1005	ERJ6GEYJ331	M 330 OHM, J, 1/10W
L9311	EXCELD35C	CORE	R1009	ERJ6GEY0R00	M 0 OHM, J, 1/10W
L9312	EXCELD35C	CORE	R1010	ERJ6GEYJ471	M 470 OHM, J, 1/10W
L9313	EXCELD35C	CORE	R1011	ERJ6GEYJ471	M 470 OHM, J, 1/10W
LC1000	EIL7EN008Q	COIL	R1012	ERJ6GEYJ471	M 470 OHM, J, 1/10W
LC1001	ELB4K131B	FILTER	R1013	ERJ6GEYJ101	M 100 OHM, J, 1/10W
LC2201	EXCCET103U	EMI FILTER	R1014	ERJ6GEYJ471	M 470 OHM, J, 1/10W
LC2202	EXCCET103U	EMI FILTER	R1016	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W
LC2203	EXCCET103U	EMI FILTER	R1037	ERJ6GEYJ104	M 100KOHM, J, 1/10W
LC2204	EXCCET103U	EMI FILTER	R1038	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W
● LC2205	EXCCET103U	EMI FILTER	R1039	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W
● LC2210	TAX10089	NOISE FILTER	R1040	ERJ6GEYJ183	M 18KOHM, J, 1/10W
● LC2211	TAX10089	NOISE FILTER	R1041	ERJ6GEYJ102	M 1KOHM, J, 1/10W
● LC2212	TAX10089	NOISE FILTER	R1042	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W
● LC2213	TAX10089	NOISE FILTER	R1043	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W
● LC2214	TAX10089	NOISE FILTER	R1044	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W
● LC2215	TAX10089	NOISE FILTER	R1045	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W
● LC2216	TAX10089	NOISE FILTER	R1046	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W
● LC2217	TAX10089	NOISE FILTER	R1047	ERJ6GEYJ473	M 47KOHM, J, 1/10W
● LC2218	TAX10089	NOISE FILTER	R1048	ERJ6GEYJ473	M 47KOHM, J, 1/10W
● LC2219	TAX10089	NOISE FILTER	R1049	ERJ6GEYJ273	M 27KOHM, J, 1/10W
● LC2220	TAX10089	NOISE FILTER	R1050	ERJ6GEYJ753	M 75KOHM, J, 1/10W
● LC2221	TAX10089	NOISE FILTER	R1051	ERJ6GEYJ103	M 10KOHM, J, 1/10W
● LC2222	TAX10089	NOISE FILTER	R1052	ERJ6GEYJ103	M 10KOHM, J, 1/10W
● LC2223	TAX10089	NOISE FILTER	R1053	ERJ6GEYJ103	M 10KOHM, J, 1/10W
● LC2224	TAX10089	NOISE FILTER	R1054	ERJ6GEYJ103	M 10KOHM, J, 1/10W
● LC2225	TAX10089	NOISE FILTER	R1055	ERJ6GEYJ103	M 10KOHM, J, 1/10W
● LC2226	TAX10089	NOISE FILTER	R1056	ERJ6GEYJ103	M 10KOHM, J, 1/10W
● LC2227	TAX10089	NOISE FILTER	R1057	ERJ6GEYJ103	M 10KOHM, J, 1/10W
● LC2228	TAX10089	NOISE FILTER	R1058	ERJ6GEYJ103	M 10KOHM, J, 1/10W
● LC2229	TAX10089	NOISE FILTER	R1059	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W
● LC2230	TAX10089	NOISE FILTER	R1060	ERJ6GEYJ103	M 10KOHM, J, 1/10W
● LC2231	TAX10089	NOISE FILTER	R1061	ERJ6GEYJ103	M 10KOHM, J, 1/10W
● LC2232	TAX10089	NOISE FILTER	R1063	ERJ6GEYJ101	M 100 OHM, J, 1/10W
● LC2233	TAX10089	NOISE FILTER	R1064	ERJ6GEYJ101	M 100 OHM, J, 1/10W
● LC2234	TAX10089	NOISE FILTER	R1065	ERJ6GEYJ102	M 1KOHM, J, 1/10W
● LC2235	TAX10089	NOISE FILTER	R1068	ERJ6GEYJ102	M 1KOHM, J, 1/10W
● LC2236	TAX10089	NOISE FILTER	R1070	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W
LC7001	EXCCET103U	EMI FILTER	R1071	ERJ6GEYJ103	M 10KOHM, J, 1/10W
LC7002	EXCCET103U	EMI FILTER	R1072	ERJ6GEYJ561	M 560 OHM, J, 1/10W
LC7003	EXCCET103U	EMI FILTER	R1073	ERJ6GEYJ103	M 10KOHM, J, 1/10W
LC7004	EXCCET103U	EMI FILTER	R1074	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W
LC7005	EXCCET103U	EMI FILTER	R1075	ERJ6ENF6800	M 680 OHM, 1/10W
LC7006	EXCCET103U	EMI FILTER	R1076	ERJ6ENF4700	M 470 OHM, 1/10W
LC7007	EXCCET103U	EMI FILTER	R1077	ERJ6GEYJ331	M 330 OHM, J, 1/10W
LC7008	EXCCET103U	EMI FILTER	R1078	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W
LC7701	TAC52101T50V	C 100PF, 50V	R1081	ERJ6GEYJ101	M 100 OHM, J, 1/10W
LC7702	TAC52101T50V	C 100PF, 50V	R1082	ERJ6GEY0R00	M 0 OHM, J, 1/10W
LC7703	TAC52101T50V	C 100PF, 50V	R1083	ERJ6GEYJ103	M 10KOHM, J, 1/10W
LC7704	TAC52101T50V	C 100PF, 50V	R1084	ERJ6GEYJ223	M 22KOHM, J, 1/10W
TRANSFORMERS			R1085	ERJ6GEYJ101	M 100 OHM, J, 1/10W
△	T9201	TLPF068-2	R1086	ERJ6GEYJ102	M 1KOHM, J, 1/10W
△	T9301	ETS29AK1U6AC	R1087	ERJ6GEYJ473	M 47KOHM, J, 1/10W
			R1088	ERJ6GEYJ103	M 10KOHM, J, 1/10W
			R1089	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W
			R1090	ERJ6GEYJ151	M 150 OHM, J, 1/10W
			R1091	ERJ6GEYJ221	M 220 OHM, J, 1/10W
			R1093	ERJ6GEYJ152	M 1.5KOHM, J, 1/10W
			R1094	ERJ6GEYJ103	M 10KOHM, J, 1/10W
			R1095	ERJ6GEYJ102	M 1KOHM, J, 1/10W
			R1096	ERJ6GEYJ273	M 27KOHM, J, 1/10W
			R1097	ERJ6GEYJ272	M 2.7KOHM, J, 1/10W

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
R1098	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	R1179	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R1099	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R1180	ERJ6GEYJ822	M 8.2KOHM, J, 1/10W
R1100	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R1181	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R1101	ERJ6GEYJ103	M 10KOHM, J, 1/10W	R1182	ERJ6GEYJ821	M 820 OHM, J, 1/10W
R1102	ERJ6GEYJ103	M 10KOHM, J, 1/10W	R1183	ERJ6GEYJ272	M 2.7KOHM, J, 1/10W
R1103	ERJ6GEYJ201	M 200 OHM, J, 1/10W	R1184	ERJ6GEYJ393	M 39KOHM, J, 1/10W
R1104	ERJ6GEYJ682	M 6.8KOHM, J, 1/10W	R1185	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R1105	ERJ6GEYJ152	M 1.5KOHM, J, 1/10W	R1186	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R1106	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W	R1187	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W
R1107	ERJ6GEYJ201	M 200 OHM, J, 1/10W	R1188	ERJ6GEYJ822	M 8.2KOHM, J, 1/10W
R1108	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	R1189	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W
R1109	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	R1190	ERJ6GEYJ470	M 47 OHM, J, 1/10W
R1110	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	R1191	ERJ6GEYJ331	M 330 OHM, J, 1/10W
R1111	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	R1192	ERJ6ENF5600	M 560 OHM, 1/10W
R1112	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	R1193	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R1113	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	R1194	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W
R1118	ERJ6GEYJ821	M 820 OHM, J, 1/10W	R1195	ERJ6ENF1201	M 1.2KOHM, 1/10W
R1119	ERJ6GEYJ103	M 10KOHM, J, 1/10W	R1196	ERJ6ENF4700	M 470 OHM, 1/10W
R1120	ERJ6GEYJ122	M 1.2KOHM, J, 1/10W	R1197	ERJ6GEYJ331	M 330 OHM, J, 1/10W
R1125	ERJ6GEYJ152	M 1.5KOHM, J, 1/10W	R1198	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W
R1126	ERJ6GEYJ151	M 150 OHM, J, 1/10W	R1201	ERJ6GEYJ221	M 220 OHM, J, 1/10W
R1127	ERJ6GEYJ151	M 150 OHM, J, 1/10W	R1202	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W
R1128	ERJ6GEYJ272	M 2.7KOHM, J, 1/10W	R1203	ERJ6GEYJ561	M 560 OHM, J, 1/10W
R1129	ERJ6ENF8200	M 820 OHM, 1/10W	R1204	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R1130	ERJ6ENF5601	M 5.6KOHM, 1/10W	R1205	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R1131	ERJ6ENF1001	M 1KOHM, 1/10W	R1206	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R1132	ERJ6ENF5600	M 560 OHM, 1/10W	R1207	ERJ6ENF1001	M 1KOHM, 1/10W
R1133	ERJ6GEYJ151	M 150 OHM, J, 1/10W	R1208	ERJ6ENF8200	M 820 OHM, 1/10W
R1134	ERJ6ENF8200	M 820 OHM, 1/10W	R1210	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R1135	ERJ6GEYJ151	M 150 OHM, J, 1/10W	R1211	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R1136	ERJ6GEYJ471	M 470 OHM, J, 1/10W	R1212	ERJ6GEYJ122	M 1.2KOHM, J, 1/10W
R1139	ERJ6GEYJ183	M 18KOHM, J, 1/10W	R1219	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W
R1140	ERJ6GEYJ123	M 12KOHM, J, 1/10W	R1220	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W
R1141	ERJ6GEYJ151	M 150 OHM, J, 1/10W	R1221	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R1142	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R1222	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R1143	ERJ6GEYJ221	M 220 OHM, J, 1/10W	R1223	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R1144	ERJ6GEYJ221	M 220 OHM, J, 1/10W	R1224	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R1145	ERJ6GEYJ103	M 10KOHM, J, 1/10W	R1228	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R1146	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	R1229	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R1147	ERJ6GEYJ470	M 47 OHM, J, 1/10W	R1231	ERJ6GEYJ683	M 68KOHM, J, 1/10W
R1148	ERJ6GEYJ331	M 330 OHM, J, 1/10W	R1232	ERJ6GEYJ223	M 22KOHM, J, 1/10W
R1149	ERJ6ENF4700	M 470 OHM, 1/10W	R1233	ERJ6GEYJ331	M 330 OHM, J, 1/10W
R1150	ERJ6ENF1001	M 1KOHM, 1/10W	R1234	ERJ6ENF3300	M 330 OHM, 1/10W
R1151	ERJ6ENF4700	M 470 OHM, 1/10W	R1235	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R1152	ERJ6GEYJ103	M 10KOHM, J, 1/10W	R1236	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W
R1153	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	R1237	ERJ6GEYJ821	M 820 OHM, J, 1/10W
R1154	ERJ6GEYJ470	M 47 OHM, J, 1/10W	R1238	ERJ6GEYJ471	M 470 OHM, J, 1/10W
R1155	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R1239	ERJ6GEYJ331	M 330 OHM, J, 1/10W
R1156	ERJ6GEYJ470	M 47 OHM, J, 1/10W	R1240	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W
R1157	ERJ6GEYJ153	M 15KOHM, J, 1/10W	R1242	ERJ6GEYJ331	M 330 OHM, J, 1/10W
R1158	ERJ6GEYJ561	M 560 OHM, J, 1/10W	R1243	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W
R1159	ERJ6GEYJ470	M 47 OHM, J, 1/10W	R1244	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W
R1160	ERJ6GEYJ103	M 10KOHM, J, 1/10W	R1245	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R1161	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	R1246	ERJ6GEYJ682	M 6.8KOHM, J, 1/10W
R1162	ERJ6GEYJ470	M 47 OHM, J, 1/10W	R1247	ERJ6GEYJ224	M 220KOHM, J, 1/10W
R1163	ERJ6GEYJ331	M 330 OHM, J, 1/10W	R1248	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W
R1164	ERJ6ENF3600	M 360OHM, 1/10W	R1253	ERJ6GEYJ151	M 150 OHM, J, 1/10W
R1165	ERJ6GEYJ103	M 10KOHM, J, 1/10W	R1254	ERJ6GEYJ151	M 150 OHM, J, 1/10W
R1166	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	R1255	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W
R1167	ERJ6ENF1001	M 1KOHM, 1/10W	R1256	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R1168	ERJ6ENF4700	M 470 OHM, 1/10W	R1257	ERJ6GEYJ151	M 150 OHM, J, 1/10W
R1169	ERJ6GEYJ331	M 330 OHM, J, 1/10W	R1258	ERJ6GEYJ151	M 150 OHM, J, 1/10W
R1170	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	R1259	ERJ6GEYJ391	M 390 OHM, J, 1/10W
R1171	ERJ6GEYJ103	M 10KOHM, J, 1/10W	R1260	ERJ6GEYJ274	M 270KOHM, J, 1/10W
R1172	ERJ6GEYJ103	M 10KOHM, J, 1/10W	R1261	ERJ6GEY0R00	M 0 OHM, J, 1/10W
R1173	ERJ6GEYJ101	M 100 OHM, J, 1/10W	R1262	ERJ6GEYJ153	M 15KOHM, J, 1/10W
R1174	ERJ6GEYJ561	M 560 OHM, J, 1/10W	R1263	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R1175	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R1264	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R1177	ERJ6GEYJ331	M 330 OHM, J, 1/10W	R1265	ERJ6GEYJ101	M 100 OHM, J, 1/10W

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
R1266	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R1373	ERJ6GEYJ331	M 330 OHM, J, 1/10W
R1267	ERJ6GEYJ822	M 8.2KOHM, J, 1/10W	R1375	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R1268	ERJ6GEYJ101	M 100 OHM, J, 1/10W	R1378	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R1269	ERJ6GEYJ682	M 6.8KOHM, J, 1/10W	R1380	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R1270	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	R1387	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R1272	ERJ6GEYJ362	M 3.6KOHM, J, 1/10W	R1388	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R1273	ERJ6GEYJ681	M 680 OHM, J, 1/10W	R1389	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R1274	ERJ6GEYJ392	M 3.9KOHM, J, 1/10W	R1390	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R1275	ERJ6GEYJ153	M 15KOHM, J, 1/10W	R1391	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R1276	ERJ6GEYJ475	M 4.7MOHM, J, 1/10W	R1392	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R1277	ERJ6GEYJ475	M 4.7MOHM, J, 1/10W	R1393	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R1278	ERJ6GEYJ242	M 2.4KOHM, J, 1/10W	R1394	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R1279	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R1399	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R1281	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R1400	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R1282	ERJ6GEYJ103	M 10KOHM, J, 1/10W	R1401	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R1283	ERJ6GEY0R00	M 0 OHM, J, 1/10W	R1402	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R1285	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	R1403	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R1286	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	R1404	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R1287	ERJ6GEYJ682	M 6.8KOHM, J, 1/10W	R1405	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R1288	ERJ6GEYJ682	M 6.8KOHM, J, 1/10W	R1427	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R1289	ERJ6GEYJ563	M 56KOHM, J, 1/10W	R1439	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W
R1290	ERJ6GEYJ683	M 68KOHM, J, 1/10W	R1443	ERJ6GEYJ122	M 1.2KOHM, J, 1/10W
R1291	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	R1444	ERJ6GEYJ391	M 390 OHM, J, 1/10W
R1292	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R1445	ERJ6GEYJ560	M 56 OHM, J, 1/10W
R1293	ERJ6GEYJ563	M 56KOHM, J, 1/10W	R1446	ERJ6GEYJ681	M 680 OHM, J, 1/10W
R1295	ERJ6GEYJ223	M 22KOHM, J, 1/10W	R1447	ERJ6GEYJ221	M 220 OHM, J, 1/10W
R1296	ERJ6GEYJ223	M 22KOHM, J, 1/10W	R1450	ERJ6GEYJ393	M 39KOHM, J, 1/10W
R1297	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R1451	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R1298	ERJ6GEYJ152	M 1.5KOHM, J, 1/10W	R1452	ERJ6GEYJ681	M 680 OHM, J, 1/10W
R1299	ERJ6GEYJ121	M 120 OHM, J, 1/10W	R1453	ERJ6GEYJ561	M 560 OHM, J, 1/10W
R1300	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	R1456	ERJ6GEYJ473	M 47KOHM, J, 1/10W
R1314	ERJ6GEYJ103	M 10KOHM, J, 1/10W	R1457	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R1315	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R1462	ERJ6GEYJ560	M 56 OHM, J, 1/10W
R1316	ERJ6GEYJ101	M 100 OHM, J, 1/10W	R1463	ERJ6GEYJ331	M 330 OHM, J, 1/10W
R1323	ERJ6GEYJ331	M 330 OHM, J, 1/10W	R1464	ERJ6GEYJ331	M 330 OHM, J, 1/10W
R1324	ERJ6GEYJ331	M 330 OHM, J, 1/10W	R1465	ERJ6GEYJ560	M 56 OHM, J, 1/10W
R1325	ERJ6GEYJ331	M 330 OHM, J, 1/10W	R1466	ERJ6GEYJ682	M 6.8KOHM, J, 1/10W
R1326	ERJ6GEYJ331	M 330 OHM, J, 1/10W	R1467	ERJ6GEYJ820	M 82 OHM, J, 1/10W
R1327	ERJ6GEYJ101	M 100 OHM, J, 1/10W	R1468	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R1334	ERJ6GEYJ101	M 100 OHM, J, 1/10W	R1469	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W
R1335	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R1470	ERJ6GEYJ330	M 33 OHM, J, 1/10W
R1336	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R1471	ERJ6GEY0R00	M 0 OHM, J, 1/10W
R1337	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	R1472	ERJ6GEYJ681	M 680 OHM, J, 1/10W
R1338	ERJ6GEY0R00	M 0 OHM, J, 1/10W	R1473	ERJ6GEYJ391	M 390 OHM, J, 1/10W
R1340	ERJ6GEY0R00	M 0 OHM, J, 1/10W	R1474	ERJ6GEYJ560	M 56 OHM, J, 1/10W
R1342	ERJ6GEYJ470	M 47 OHM, J, 1/10W	R1475	ERJ6GEYJ681	M 680 OHM, J, 1/10W
R1343	ERJ6GEYJ221	M 220 OHM, J, 1/10W	R1476	ERJ6GEYJ221	M 220 OHM, J, 1/10W
R1344	ERJ6GEYJ221	M 220 OHM, J, 1/10W	R1479	ERJ6GEYJ393	M 39KOHM, J, 1/10W
R1345	ERJ6GEYJ221	M 220 OHM, J, 1/10W	R1480	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R1346	ERJ6GEYJ223	M 22KOHM, J, 1/10W	R1481	ERJ6GEYJ681	M 680 OHM, J, 1/10W
R1347	ERJ6GEYJ223	M 22KOHM, J, 1/10W	R1482	ERJ6GEYJ561	M 560 OHM, J, 1/10W
R1348	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R1485	ERJ6GEYJ473	M 47KOHM, J, 1/10W
R1350	ERJ6GEYJ121	M 120 OHM, J, 1/10W	R1486	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R1351	ERJ6GEYJ470	M 47 OHM, J, 1/10W	R1491	ERJ6GEYJ560	M 56 OHM, J, 1/10W
R1352	ERJ6GEY0R00	M 0 OHM, J, 1/10W	R1492	ERJ6GEYJ331	M 330 OHM, J, 1/10W
● R1353	ERJ6GEYJ121	M 120 OHM, J, 1/10W	R1493	ERJ6GEYJ331	M 330 OHM, J, 1/10W
R1354	ERJ6GEYJ121	M 120 OHM, J, 1/10W	R1494	ERJ6GEYJ560	M 56 OHM, J, 1/10W
○ R1355	ERJ6GEYJ121	M 120 OHM, J, 1/10W	R1495	ERJ6GEYJ682	M 6.8KOHM, J, 1/10W
R1359	ERJ6GEYJ121	M 120 OHM, J, 1/10W	R1496	ERJ6GEYJ820	M 82 OHM, J, 1/10W
R1360	ERJ6GEYJ470	M 47 OHM, J, 1/10W	R1497	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R1361	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W	R1498	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W
R1362	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W	R1499	ERJ6GEYJ330	M 33 OHM, J, 1/10W
R1363	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W	R1500	ERJ6GEY0R00	M 0 OHM, J, 1/10W
R1364	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W	R1501	ERJ6GEYJ681	M 680 OHM, J, 1/10W
R1365	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W	R1502	ERJ6GEYJ391	M 390 OHM, J, 1/10W
R1366	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W	R1503	ERJ6GEYJ560	M 56 OHM, J, 1/10W
R1368	ERJ6GEYJ121	M 120 OHM, J, 1/10W	R1504	ERJ6GEYJ681	M 680 OHM, J, 1/10W
R1371	ERJ6GEYJ331	M 330 OHM, J, 1/10W	R1505	ERJ6GEYJ221	M 220 OHM, J, 1/10W
R1372	ERJ6GEYJ331	M 330 OHM, J, 1/10W	R1508	ERJ6GEYJ393	M 39KOHM, J, 1/10W

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
R1509	ERJ6GEYJ103	M 10KOHM, J, 1/10W	R1649	ERJ6GEY0R00	M 0 OHM, J, 1/10W
R1510	ERJ6GEYJ681	M 680 OHM, J, 1/10W	R2001	ERJ6GEYJ223	M 22KOHM, J, 1/10W
R1511	ERJ6GEYJ561	M 560 OHM, J, 1/10W	R2002	EVM38GA00B14	CONTROL 100KOHMB
R1514	ERJ6GEYJ473	M 47KOHM, J, 1/10W	R2003	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R1515	ERJ6GEYJ103	M 10KOHM, J, 1/10W	R2004	ERJ6GEYJ104	M 100KOHM, J, 1/10W
R1520	ERJ6GEYJ560	M 56 OHM, J, 1/10W	R2005	ERJ6GEYJ104	M 100KOHM, J, 1/10W
R1521	ERJ6GEYJ331	M 330 OHM, J, 1/10W	R2006	ERJ6GEYJ104	M 100KOHM, J, 1/10W
R1522	ERJ6GEYJ331	M 330 OHM, J, 1/10W	R2007	ERJ6GEY0R00	M 0 OHM, J, 1/10W
R1523	ERJ6GEYJ560	M 56 OHM, J, 1/10W	R2008	ERJ6GEY0R00	M 0 OHM, J, 1/10W
R1524	ERJ6GEYJ682	M 6.8KOHM, J, 1/10W	R2009	ERJ6GEY0R00	M 0 OHM, J, 1/10W
R1525	ERJ6GEYJ820	M 82 OHM, J, 1/10W	R2010	ERJ6GEYJ223	M 22KOHM, J, 1/10W
R1526	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R2011	EVM38GA00B14	CONTROL 100KOHMB
R1527	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	R2012	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R1528	ERJ6GEYJ330	M 33 OHM, J, 1/10W	R2013	ERJ6GEYJ104	M 100KOHM, J, 1/10W
R1529	ERJ6GEY0R00	M 0 OHM, J, 1/10W	R2014	ERJ6GEYJ104	M 100KOHM, J, 1/10W
R1530	ERJ6GEYJ681	M 680 OHM, J, 1/10W	R2015	ERJ6GEYJ104	M 100KOHM, J, 1/10W
R1533	ERJ6GEYJ103	M 10KOHM, J, 1/10W	R2016	ERJ6GEY0R00	M 0 OHM, J, 1/10W
R1534	ERJ6GEYJ103	M 10KOHM, J, 1/10W	R2017	ERJ6GEY0R00	M 0 OHM, J, 1/10W
R1535	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	R2018	ERJ6GEY0R00	M 0 OHM, J, 1/10W
R1536	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W	R2019	ERJ6GEYJ223	M 22KOHM, J, 1/10W
R1537	ERJ6GEYJ104	M 100KOHM, J, 1/10W	R2020	EVM38GA00B14	CONTROL 100KOHMB
R1538	ERJ6GEYJ561	M 560 OHM, J, 1/10W	R2021	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R1541	ERJ6GEYJ103	M 10KOHM, J, 1/10W	R2022	ERJ6GEYJ104	M 100KOHM, J, 1/10W
R1542	ERJ6GEYJ103	M 10KOHM, J, 1/10W	R2023	ERJ6GEYJ104	M 100KOHM, J, 1/10W
R1543	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	R2024	ERJ6GEYJ104	M 100KOHM, J, 1/10W
R1544	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W	R2025	ERJ6GEY0R00	M 0 OHM, J, 1/10W
R1545	ERJ6GEYJ104	M 100KOHM, J, 1/10W	R2026	ERJ6GEY0R00	M 0 OHM, J, 1/10W
R1546	ERJ6GEYJ561	M 560 OHM, J, 1/10W	R2027	ERJ6GEY0R00	M 0 OHM, J, 1/10W
R1549	ERJ6GEYJ103	M 10KOHM, J, 1/10W	R2028	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W
R1550	ERJ6GEYJ103	M 10KOHM, J, 1/10W	● R2029	ERJ6GEYJ512	M 5.1KOHM, J, 1/10W
R1551	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	○ R2029	ERJ6GEYJ182	M 1.8KOHM, J, 1/10W
R1552	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W	R2030	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R1553	ERJ6GEYJ104	M 100KOHM, J, 1/10W	R2031	ERJ6GEYJ510	M 51 OHM, 1/10W
R1554	ERJ6GEYJ561	M 560 OHM, J, 1/10W	R2032	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R1555	ERJ6GEYJ821	M 820 OHM, J, 1/10W	R2033	ERJ6GEYJ2R2	M 2.2 OHM, 1/10W
R1556	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	R2034	ERJ6GEYJ2R2	M 2.2 OHM, 1/10W
R1557	ERJ6GEYJ561	M 560 OHM, J, 1/10W	R2035	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R1562	ERJ6ENF5600	M 560 OHM, 1/10W	R2036	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R1563	ERJ6GEYJ331	M 330 OHM, J, 1/10W	R2037	ERJ6GEYJ2R2	M 2.2 OHM, 1/10W
R1564	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	R2038	ERJ6GEYJ2R2	M 2.2 OHM, 1/10W
R1566	ERJ6GEYJ103	M 10KOHM, J, 1/10W	R2039	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R1567	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	R2040	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W
R1569	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	R2042	ERJ6GEYJ153	M 15KOHM, J, 1/10W
R1571	ERJ6GEYJ103	M 10KOHM, J, 1/10W	R2043	ERJ6GEYJ153	M 15KOHM, J, 1/10W
R1572	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	R2045	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W
R1574	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	R2046	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R1576	ERJ6GEYJ103	M 10KOHM, J, 1/10W	R2047	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W
R1577	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	● R2048	ERJ6GEYJ513	M 51KOHM, J, 1/10W
R1579	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	○ R2048	ERJ6GEYJ563	M 56KOHM, J, 1/10W
R1580	ERJ6GEYJ563	M 56KOHM, J, 1/10W	● R2049	ERJ6GEYJ513	M 51KOHM, J, 1/10W
R1581	EVM38GA00B22	CONTROL 200 OHMB	○ R2049	ERJ6GEYJ563	M 56KOHM, J, 1/10W
R1583	ERJ6GEYJ821	M 820 OHM, J, 1/10W	R2050	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R1584	ERJ6GEYJ821	M 820 OHM, J, 1/10W	○ R2051	ERJ6GEYJ273	M 27KOHM, J, 1/10W
R1585	ERJ6GEYJ821	M 820 OHM, J, 1/10W	R2052	ERJ6GEYJ123	M 12KOHM, J, 1/10W
R1586	ERJ6GEYJ821	M 820 OHM, J, 1/10W	R2053	ERJ6GEYJ912	M 9.1KOHM, J, 1/10W
R1587	ERJ6GEYJ821	M 820 OHM, J, 1/10W	○ R2054	ERJ6GEYJ223	M 22KOHM, J, 1/10W
R1588	ERJ6GEYJ821	M 820 OHM, J, 1/10W	R2055	ERJ6GEYJ132	M 1.3KOHM, J, 1/10W
R1589	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W	R2056	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W
R1594	ERJ6GEYJ152	M 1.5KOHM, J, 1/10W	● R2057	ERJ6GEYJ513	M 51KOHM, J, 1/10W
R1596	ERJ6GEYJ101	M 100 OHM, J, 1/10W	○ R2057	ERJ6GEYJ563	M 56KOHM, J, 1/10W
R1597	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	R2058	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R1599	ERJ6GEY0R00	M 0 OHM, J, 1/10W	R2059	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R1600	ERJ6GEY0R00	M 0 OHM, J, 1/10W	R2060	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W
R1606	ERJ6GEYJ182	M 1.8KOHM, J, 1/10W	R2061	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R1607	ERJ6GEYJ561	M 560 OHM, J, 1/10W	R2062	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R1630	ERJ6GEYJ821	M 820 OHM, J, 1/10W	R2063	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R1641	ERJ6GEYJ821	M 820 OHM, J, 1/10W	R2066	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R1643	ERJ6GEYJ821	M 820 OHM, J, 1/10W	R2067	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R1648	ERJ6GEY0R00	M 0 OHM, J, 1/10W	R2068	ERJ6GEYJ101	M 100 OHM, J, 1/10W

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
R2069	ERJ6GEYJ101	M 100 OHM, J, 1/10W	R2157	ERJ6GEYJ560	M 56 OHM, J, 1/10W
R2070	ERJ6GEYJ101	M 100 OHM, J, 1/10W	R2158	ERJ6GEYJ560	M 56 OHM, J, 1/10W
R2072	ERJ6GEY0R00	M 0 OHM, J, 1/10W	R2159	ERJ6GEYJ560	M 56 OHM, J, 1/10W
R2073	ERJ6GEY0R00	M 0 OHM, J, 1/10W	R2160	ERJ6GEYJ560	M 56 OHM, J, 1/10W
R2074	ERJ6GEY0R00	M 0 OHM, J, 1/10W	R2161	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R2075	ERJ6GEY0R00	M 0 OHM, J, 1/10W	R2162	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R2076	ERJ6GEY0R00	M 0 OHM, J, 1/10W	R2163	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R2077	ERJ6GEY0R00	M 0 OHM, J, 1/10W	R2164	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R2078	ERJ6GEYJ470	M 47 OHM, J, 1/10W	R2165	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R2080	ERJ6GEYJ470	M 47 OHM, J, 1/10W	R2166	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R2081	ERJ6GEYJ470	M 47 OHM, J, 1/10W	R2167	ERJ6GEYJ470	M 47 OHM, J, 1/10W
R2082	ERJ6GEYJ470	M 47 OHM, J, 1/10W	R2168	ERJ6GEYJ470	M 47 OHM, J, 1/10W
R2084	ERJ6GEYJ474	M 470KOHM, J, 1/10W	R2169	ERJ6GEYJ470	M 47 OHM, J, 1/10W
R2085	ERJ6GEYJ474	M 470KOHM, J, 1/10W	R2171	ERJ6GEYJ470	M 47 OHM, J, 1/10W
R2086	ERJ6GEYJ474	M 470KOHM, J, 1/10W	R2172	ERJ6GEYJ470	M 47 OHM, J, 1/10W
R2087	ERJ6GEYJ474	M 470KOHM, J, 1/10W	R2173	ERJ6GEYJ474	M 470KOHM, J, 1/10W
R2088	ERJ6GEYJ474	M 470KOHM, J, 1/10W	R2174	ERJ6GEYJ474	M 470KOHM, J, 1/10W
R2089	ERJ6GEYJ474	M 470KOHM, J, 1/10W	R2175	ERJ6GEYJ474	M 470KOHM, J, 1/10W
R2090	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	R2176	ERJ6GEYJ474	M 470KOHM, J, 1/10W
R2091	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	R2177	ERJ6GEYJ474	M 470KOHM, J, 1/10W
R2092	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R2178	ERJ6GEYJ474	M 470KOHM, J, 1/10W
R2093	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	● R2180	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R2094	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	R2181	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W
R2095	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	R2182	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W
R2096	ERJ6GEYJ101	M 100 OHM, J, 1/10W	○ R2200	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R2097	ERJ6GEYJ101	M 100 OHM, J, 1/10W	R2201	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R2114	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R2202	ERJ6GEYJ134	M 130KOHM, J, 1/10W
R2115	ERJ6GEYJ100	M 10 OHM, J, 1/10W	R2203	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R2116	ERJ6GEYJ2R2	M 2.2 OHM, 1/10W	R2204	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R2117	ERJ6GEYJ2R2	M 2.2 OHM, 1/10W	R2205	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W
R2118	ERJ6GEYJ100	M 10 OHM, J, 1/10W	R2206	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W
R2119	ERJ6GEYJ102	M 1KOHM, J, 1/10W	● R2207	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R2120	ERJ6GEYJ102	M 1KOHM, J, 1/10W	○ R2207	ERJ6GEYJ471	M 470 OHM, J, 1/10W
R2121	ERJ6GEYJ102	M 1KOHM, J, 1/10W	● R2208	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R2122	ERJ6GEYJ2R2	M 2.2 OHM, 1/10W	○ R2208	ERJ6GEYJ622	M 6.2KOHM, 1/10W
R2123	ERJ6GEYJ2R2	M 2.2 OHM, 1/10W	● R2209	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R2124	ERJ6GEYJ102	M 1KOHM, J, 1/10W	○ R2209	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R2125	ERJ6GEYJ102	M 1KOHM, J, 1/10W	● R2210	ERJ6GEYJ471	M 470 OHM, J, 1/10W
R2126	ERJ6GEYJ102	M 1KOHM, J, 1/10W	● R2211	ERJ6GEYJ622	M 6.2KOHM, 1/10W
R2127	ERJ6GEYJ100	M 10 OHM, J, 1/10W	○ R2211	ERJ6GEYJ272	M 2.7KOHM, J, 1/10W
R2128	ERJ6GEYJ2R2	M 2.2 OHM, 1/10W	● R2212	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R2129	ERJ6GEYJ2R2	M 2.2 OHM, 1/10W	○ R2212	ERJ6GEYJ392	M 3.9KOHM, J, 1/10W
R2130	ERJ6GEYJ100	M 10 OHM, J, 1/10W	○ R2213	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R2131	ERJ6GEYJ102	M 1KOHM, J, 1/10W	● R2214	ERJ6GEYJ272	M 2.7KOHM, J, 1/10W
R2132	ERJ6GEYJ470	M 47 OHM, J, 1/10W	○ R2214	ERJ6GEYJ274	M 270KOHM, J, 1/10W
R2133	ERJ6GEYJ470	M 47 OHM, J, 1/10W	● R2215	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W
R2134	ERJ6GEYJ470	M 47 OHM, J, 1/10W	○ R2215	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W
R2135	ERJ6GEYJ331	M 330 OHM, J, 1/10W	● R2216	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R2136	ERJ6GEYJ103	M 10KOHM, J, 1/10W	○ R2216	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W
○ R2137	ERJ6GEY0R00	M 0 OHM, J, 1/10W	● R2217	ERJ6GEYJ134	M 130KOHM, J, 1/10W
○ R2138	ERJ6GEY0R00	M 0 OHM, J, 1/10W	○ R2217	ERJ6GEYJ101	M 100 OHM, J, 1/10W
● R2139	ERJ6GEYJ102	M 1KOHM, J, 1/10W	● R2218	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W
● R2140	ERJ6GEYJ102	M 1KOHM, J, 1/10W	○ R2218	ERJ6GEYJ101	M 100 OHM, J, 1/10W
● R2141	ERJ6GEYJ102	M 1KOHM, J, 1/10W	● R2219	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W
○ R2141	ERJ6GEY0R00	M 0 OHM, J, 1/10W	○ R2219	ERJ6GEYJ101	M 100 OHM, J, 1/10W
● R2142	ERJ6GEYJ102	M 1KOHM, J, 1/10W	● R2220	ERJ6GEYJ101	M 100 OHM, J, 1/10W
○ R2142	ERJ6GEY0R00	M 0 OHM, J, 1/10W	○ R2220	ERJ6GEYJ220	M 22 OHM, J, 1/10W
● R2143	ERJ6GEYJ102	M 1KOHM, J, 1/10W	● R2221	ERJ6GEYJ101	M 100 OHM, J, 1/10W
○ R2143	ERJ6GEY0R00	M 0 OHM, J, 1/10W	○ R2221	ERJ6GEYJ220	M 22 OHM, J, 1/10W
● R2144	ERJ6GEYJ102	M 1KOHM, J, 1/10W	● R2222	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R2146	ERJ6GEYJ102	M 1KOHM, J, 1/10W	○ R2222	ERJ6GEYJ220	M 22 OHM, J, 1/10W
R2147	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R2223	ERJ6GEYJ220	M 22 OHM, J, 1/10W
R2150	ERJ6GEYJ560	M 56 OHM, J, 1/10W	● R2224	ERJ6GEYJ220	M 22 OHM, J, 1/10W
R2151	ERJ6GEYJ560	M 56 OHM, J, 1/10W	○ R2224	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R2152	ERJ6GEYJ560	M 56 OHM, J, 1/10W	● R2225	ERJ6GEYJ220	M 22 OHM, J, 1/10W
R2153	ERJ6GEYJ560	M 56 OHM, J, 1/10W	○ R2225	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R2154	ERJ6GEYJ560	M 56 OHM, J, 1/10W	● R2226	ERJ6GEYJ220	M 22 OHM, J, 1/10W
R2155	ERJ6GEYJ560	M 56 OHM, J, 1/10W	○ R2226	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R2156	ERJ6GEYJ560	M 56 OHM, J, 1/10W	● R2227	ERJ6GEYJ220	M 22 OHM, J, 1/10W

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
○ R2227	ERJ6GEYJ101	M 100 OHM, J, 1/10W	● R2277	ERJ6GEYJ220	M 22 OHM, J, 1/10W
● R2228	ERJ6GEYJ220	M 22 OHM, J, 1/10W	● R2278	ERJ6GEYJ220	M 22 OHM, J, 1/10W
○ R2228	ERJ6GEYJ101	M 100 OHM, J, 1/10W	● R2279	ERJ6GEYJ220	M 22 OHM, J, 1/10W
● R2229	ERJ6GEYJ220	M 22 OHM, J, 1/10W	● R2280	ERJ6GEYJ220	M 22 OHM, J, 1/10W
○ R2229	ERJ6GEYJ101	M 100 OHM, J, 1/10W	● R2281	ERJ6GEYJ220	M 22 OHM, J, 1/10W
● R2230	ERJ6GEYJ220	M 22 OHM, J, 1/10W	● R2282	ERJ6GEYJ220	M 22 OHM, J, 1/10W
○ R2230	ERJ6GEYJ102	M 1KOHM, J, 1/10W	● R2283	ERJ6GEYJ121	M 120 OHM, J, 1/10W
● R2231	ERJ6GEYJ101	M 100 OHM, J, 1/10W	● R2284	ERJ6GEYJ221	M 220 OHM, J, 1/10W
○ R2231	ERJ6GEYJ102	M 1KOHM, J, 1/10W	● R2285	ERJ6GEYJ560	M 56 OHM, J, 1/10W
● R2232	ERJ6GEYJ101	M 100 OHM, J, 1/10W	● R2286	ERJ6GEYJ560	M 56 OHM, J, 1/10W
○ R2232	ERJ6GEYJ220	M 22 OHM, J, 1/10W	● R2287	ERJ6GEYJ560	M 56 OHM, J, 1/10W
● R2233	ERJ6GEYJ101	M 100 OHM, J, 1/10W	● R2288	ERJ6GEYJ560	M 56 OHM, J, 1/10W
○ R2233	ERJ6GEYJ220	M 22 OHM, J, 1/10W	● R2289	ERJ6GEYJ121	M 120 OHM, J, 1/10W
● R2234	ERJ6GEYJ101	M 100 OHM, J, 1/10W	● R2290	ERJ6GEYJ121	M 120 OHM, J, 1/10W
○ R2234	ERJ6GEYJ220	M 22 OHM, J, 1/10W	● R2291	ERJ6GEYJ101	M 100 OHM, J, 1/10W
● R2235	ERJ6GEYJ102	M 1KOHM, J, 1/10W	● R2292	ERJ6GEYJ102	M 1KOHM, J, 1/10W
○ R2235	ERJ6GEYJ560	M 56 OHM, J, 1/10W	● R2293	ERJ6GEYJ102	M 1KOHM, J, 1/10W
● R2236	ERJ6GEYJ102	M 1KOHM, J, 1/10W	● R2322	ERJ6GEYJ563	M 56KOHM, J, 1/10W
○ R2236	ERJ6GEYJ560	M 56 OHM, J, 1/10W	● R2323	ERJ6GEYJ563	M 56KOHM, J, 1/10W
● R2237	ERJ6GEYJ220	M 22 OHM, J, 1/10W	● R2324	ERJ6GEYJ563	M 56KOHM, J, 1/10W
○ R2237	ERJ6GEYJ560	M 56 OHM, J, 1/10W	● R2325	ERJ6GEYJ563	M 56KOHM, J, 1/10W
● R2238	ERJ6GEYJ220	M 22 OHM, J, 1/10W	● R2326	ERJ6GEYJ101	M 100 OHM, J, 1/10W
○ R2238	ERJ6GEYJ560	M 56 OHM, J, 1/10W	● R2327	ERJ6GEYJ101	M 100 OHM, J, 1/10W
● R2239	ERJ6GEYJ220	M 22 OHM, J, 1/10W	● R2328	ERJ6GEY0R00	M 0 OHM, J, 1/10W
○ R2239	ERJ6GEYJ560	M 56 OHM, J, 1/10W	● R2329	ERJ6GEY0R00	M 0 OHM, J, 1/10W
● R2240	ERJ6GEYJ220	M 22 OHM, J, 1/10W	● R2330	ERJ6GEY0R00	M 0 OHM, J, 1/10W
○ R2240	ERJ6GEYJ560	M 56 OHM, J, 1/10W	● R2331	ERJ6GEY0R00	M 0 OHM, J, 1/10W
● R2241	ERJ6GEYJ220	M 22 OHM, J, 1/10W	● R2332	ERJ6GEY0R00	M 0 OHM, J, 1/10W
○ R2241	ERJ6GEYJ560	M 56 OHM, J, 1/10W	● R2333	ERJ6GEY0R00	M 0 OHM, J, 1/10W
● R2242	ERJ6GEYJ220	M 22 OHM, J, 1/10W	● R2334	ERJ6GEY0R00	M 0 OHM, J, 1/10W
○ R2242	ERJ6GEYJ560	M 56 OHM, J, 1/10W	● R2335	ERJ6GEY0R00	M 0 OHM, J, 1/10W
● R2243	ERJ6GEYJ151	M 150 OHM, J, 1/10W	● R2336	ERJ6GEY0R00	M 0 OHM, J, 1/10W
○ R2243	ERJ6GEYJ560	M 56 OHM, J, 1/10W	● R2337	ERJ6GEY0R00	M 0 OHM, J, 1/10W
R2244	ERJ6GEYJ560	M 56 OHM, J, 1/10W	● R2338	ERJ6GEYJ221	M 220 OHM, J, 1/10W
R2245	ERJ6GEYJ560	M 56 OHM, J, 1/10W	● R2339	ERJ6GEY0R00	M 0 OHM, J, 1/10W
R2246	ERJ6GEYJ560	M 56 OHM, J, 1/10W	● R2340	ERJ6GEY0R00	M 0 OHM, J, 1/10W
R2247	ERJ6GEYJ560	M 56 OHM, J, 1/10W	● R2341	ERJ6GEY0R00	M 0 OHM, J, 1/10W
R2248	ERJ6GEYJ560	M 56 OHM, J, 1/10W	● R2342	ERJ6GEY0R00	M 0 OHM, J, 1/10W
R2249	ERJ6GEYJ560	M 56 OHM, J, 1/10W	R7001	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W
R2250	ERJ6GEYJ560	M 56 OHM, J, 1/10W	R7002	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R2251	ERJ6GEYJ560	M 56 OHM, J, 1/10W	R7003	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R2252	ERJ6GEYJ560	M 56 OHM, J, 1/10W	R7004	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W
R2253	ERJ6GEYJ560	M 56 OHM, J, 1/10W	R7005	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W
R2254	ERJ6GEYJ560	M 56 OHM, J, 1/10W	R7006	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R2255	ERJ6GEYJ560	M 56 OHM, J, 1/10W	R7007	ERJ6GEYJ103	M 10KOHM, J, 1/10W
● R2256	ERJ6GEYJ101	M 100 OHM, J, 1/10W	R7008	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W
○ R2256	ERJ6GEYJ560	M 56 OHM, J, 1/10W	R7009	ERJ6GEYJ103	M 10KOHM, J, 1/10W
● R2257	ERJ6GEYJ101	M 100 OHM, J, 1/10W	R7010	ERJ6GEYJ103	M 10KOHM, J, 1/10W
○ R2257	ERJ6GEYJ560	M 56 OHM, J, 1/10W	R7011	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W
● R2258	ERJ6GEYJ101	M 100 OHM, J, 1/10W	R7012	ERJ6GEYJ103	M 10KOHM, J, 1/10W
○ R2258	ERJ6GEYJ560	M 56 OHM, J, 1/10W	R7013	ERJ6GEYJ103	M 10KOHM, J, 1/10W
● R2259	ERJ6GEYJ220	M 22 OHM, J, 1/10W	R7014	ERJ6GEYJ473	M 47KOHM, J, 1/10W
● R2260	ERJ6GEYJ220	M 22 OHM, J, 1/10W	R7015	ERJ6GEYJ102	M 1KOHM, J, 1/10W
● R2261	ERJ6GEYJ220	M 22 OHM, J, 1/10W	R7016	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W
● R2262	ERJ6GEYJ220	M 22 OHM, J, 1/10W	R7017	ERJ6GEYJ102	M 1KOHM, J, 1/10W
● R2263	ERJ6GEYJ220	M 22 OHM, J, 1/10W	R7018	ERJ6GEYJ101	M 100 OHM, J, 1/10W
● R2264	ERJ6GEYJ220	M 22 OHM, J, 1/10W	R7019	ERJ6GEYJ101	M 100 OHM, J, 1/10W
● R2265	ERJ6GEYJ220	M 22 OHM, J, 1/10W	R7020	ERJ6GEYJ102	M 1KOHM, J, 1/10W
● R2266	ERJ6GEYJ220	M 22 OHM, J, 1/10W	R7021	ERJ6GEYJ102	M 1KOHM, J, 1/10W
● R2267	ERJ6GEYJ220	M 22 OHM, J, 1/10W	R7022	ERJ6GEYJ102	M 1KOHM, J, 1/10W
● R2268	ERJ6GEYJ220	M 22 OHM, J, 1/10W	R7023	ERJ6GEYJ102	M 1KOHM, J, 1/10W
● R2269	ERJ6GEYJ220	M 22 OHM, J, 1/10W	R7025	ERJ6GEYJ331	M 330 OHM, J, 1/10W
● R2270	ERJ6GEYJ220	M 22 OHM, J, 1/10W	R7026	ERJ6GEYJ100	M 10 OHM, J, 1/10W
● R2271	ERJ6GEYJ220	M 22 OHM, J, 1/10W	R7028	ERJ6GEYJ331	M 330 OHM, J, 1/10W
● R2272	ERJ6GEYJ220	M 22 OHM, J, 1/10W	R7029	ERJ6GEYJ473	M 47KOHM, J, 1/10W
● R2273	ERJ6GEYJ220	M 22 OHM, J, 1/10W	R7030	ERJ6GEYJ473	M 47KOHM, J, 1/10W
● R2274	ERJ6GEYJ220	M 22 OHM, J, 1/10W	R7031	ERJ6GEYJ102	M 1KOHM, J, 1/10W
● R2275	ERJ6GEYJ220	M 22 OHM, J, 1/10W	R7032	ERJ6GEYJ102	M 1KOHM, J, 1/10W
● R2276	ERJ6GEYJ220	M 22 OHM, J, 1/10W	R7033	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
R7034	ERJ6GEYJ103	M 10KOHM, J, 1/10W	R7106	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R7035	ERJ6GEYJ103	M 10KOHM, J, 1/10W	R7107	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R7037	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R7108	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R7038	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R7109	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W
R7039	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R7110	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R7040	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R7111	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R7041	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R7112	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R7042	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R7113	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R7043	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R7114	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R7045	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R7115	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W
R7046	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R7116	ERJ6GEYJ182	M 1.8KOHM, J, 1/10W
R7047	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R7117	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R7048	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R7118	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R7049	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R7119	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R7050	ERJ6GEY0R00	M 0 OHM, J, 1/10W	R7120	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R7051	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R7121	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R7052	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R7122	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R7053	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R7123	ERJ6GEYJ473	M 47KOHM, J, 1/10W
R7054	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R7124	ERJ6GEYJ473	M 47KOHM, J, 1/10W
R7055	ERJ6GEYJ102	M 1KOHM, J, 1/10W	● R7125	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R7056	ERJ6GEYJ102	M 1KOHM, J, 1/10W	● R7126	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R7057	ERJ6GEYJ102	M 1KOHM, J, 1/10W	● R7127	ERJ6GEY0R00	M 0 OHM, J, 1/10W
R7058	ERJ6GEY0R00	M 0 OHM, J, 1/10W	○ R7127	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R7059	ERJ6GEY0R00	M 0 OHM, J, 1/10W	R7129	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W
R7060	ERJ6GEYJ101	M 100 OHM, J, 1/10W	R7130	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R7061	ERJ6GEYJ101	M 100 OHM, J, 1/10W	R7131	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R7062	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R7132	ERJ6GEYJ101	M 100 OHM, J, 1/10W
● R7063	ERJ6GEYJ561	M 560 OHM, J, 1/10W	R7133	ERJ6GEYJ101	M 100 OHM, J, 1/10W
○ R7063	ERJ6GEYJ101	M 100 OHM, J, 1/10W	R7134	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R7064	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R7135	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R7065	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R7136	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R7066	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R7137	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R7068	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R7138	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R7069	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R7139	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R7070	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R7140	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R7071	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R7141	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R7072	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R7142	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R7073	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R7143	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R7074	ERJ6GEYJ473	M 47KOHM, J, 1/10W	R7144	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R7075	ERJ6GEYJ183	M 18KOHM, J, 1/10W	R7145	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R7076	ERJ6GEYJ822	M 8.2KOHM, J, 1/10W	R7146	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R7077	ERJ6GEYJ272	M 2.7KOHM, J, 1/10W	R7147	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R7078	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R7148	ERJ6GEYJ101	M 100 OHM, J, 1/10W
● R7080	ERJ6GEYJ101	M 100 OHM, J, 1/10W	R7149	ERJ6GEYJ101	M 100 OHM, J, 1/10W
● R7081	ERJ6GEYJ560	M 56 OHM, J, 1/10W	R7150	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R7082	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	R7151	ERJ6GEYJ101	M 100 OHM, J, 1/10W
● R7083	ERJ6GEYJ560	M 56 OHM, J, 1/10W	R7152	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R7084	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	R7153	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R7085	ERJ6GEYJ103	M 10KOHM, J, 1/10W	R7154	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R7086	ERJ6GEYJ101	M 100 OHM, J, 1/10W	R7155	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R7087	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R7156	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R7088	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R7157	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R7089	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R7158	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R7090	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R7159	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R7091	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R7160	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R7092	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R7161	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R7093	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R7162	ERJ6GEYJ101	M 100 OHM, J, 1/10W
● R7094	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R7180	ERJ6GEYJ474	M 470KOHM, J, 1/10W
R7095	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R7501	ERJ6GEYJ750	M 75 OHM, J, 1/10W
R7096	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R7502	ERJ6GEYJ750	M 75 OHM, J, 1/10W
R7097	ERJ6GEYJ474	M 470KOHM, J, 1/10W	R7503	ERJ6GEYJ750	M 75 OHM, J, 1/10W
R7098	ERJ6GEYJ474	M 470KOHM, J, 1/10W	R7504	ERJ6GEYJ680	M 68 OHM, J, 1/10W
● R7099	ERJ6GEY0R00	M 0 OHM, J, 1/10W	R7505	ERJ6GEYJ680	M 68 OHM, J, 1/10W
● R7100	ERJ6GEY0R00	M 0 OHM, J, 1/10W	R7506	ERJ6GEYJ680	M 68 OHM, J, 1/10W
● R7101	ERJ6GEY0R00	M 0 OHM, J, 1/10W	R7507	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W
● R7102	ERJ6GEY0R00	M 0 OHM, J, 1/10W	R7508	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W
R7103	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R7509	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W
R7104	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R7510	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R7105	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R7511	ERJ6GEYJ125	M 1.2KOHM, J, 1/10W

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
R7512	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	R7584	ERJ6GEYJ333	M 33KOHM, J, 1/10W
R7513	ERJ6GEYJ331	M 330 OHM, J, 1/10W	R7585	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R7514	ERJ6GEYJ471	M 470 OHM, J, 1/10W	R7586	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R7515	ERJ6GEYJ682	M 6.8KOHM, J, 1/10W	R7587	ERJ6GEYJ750	M 75 OHM, J, 1/10W
R7516	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W	R7588	ERJ6GEYJ750	M 75 OHM, J, 1/10W
R7517	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	R7601	ERJ6GEYJ124	M 120KOHM, J, 1/10W
R7518	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	R7602	ERJ6GEYJ154	M 150KOHM, J, 1/10W
R7519	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	R7603	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R7520	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R7604	ERJ6GEYJ124	M 120KOHM, J, 1/10W
R7521	ERJ6GEYJ125	M 1.2KOHM, J, 1/10W	R7605	ERJ6GEYJ154	M 150KOHM, J, 1/10W
R7522	ERJ6GEYJ223	M 22KOHM, J, 1/10W	R7606	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R7523	ERJ6GEYJ182	M 1.8KOHM, J, 1/10W	R7607	ERJ6GEYJ124	M 120KOHM, J, 1/10W
R7524	ERJ6GEYJ471	M 470 OHM, J, 1/10W	R7608	ERJ6GEYJ154	M 150KOHM, J, 1/10W
R7525	ERJ6GEYJ682	M 6.8KOHM, J, 1/10W	R7609	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R7526	ERJ6GEYJ153	M 15KOHM, J, 1/10W	R7610	ERJ6GEYJ124	M 120KOHM, J, 1/10W
R7527	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W	R7611	ERJ6GEYJ154	M 150KOHM, J, 1/10W
R7528	ERJ6GEYJ331	M 330 OHM, J, 1/10W	R7612	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R7529	ERJ6GEYJ473	M 47KOHM, J, 1/10W	R7613	ERJ6GEYJ124	M 120KOHM, J, 1/10W
R7530	ERJ6GEYJ331	M 330 OHM, J, 1/10W	R7614	ERJ6GEYJ154	M 150KOHM, J, 1/10W
R7533	ERJ6GEYJ750	M 75 OHM, J, 1/10W	R7615	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R7534	ERJ6GEYJ750	M 75 OHM, J, 1/10W	R7616	ERJ6GEYJ124	M 120KOHM, J, 1/10W
R7535	ERJ6GEYJ750	M 75 OHM, J, 1/10W	R7617	ERJ6GEYJ154	M 150KOHM, J, 1/10W
R7536	ERJ6GEYJ680	M 68 OHM, J, 1/10W	R7618	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R7537	ERJ6GEYJ680	M 68 OHM, J, 1/10W	R7619	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R7538	ERJ6GEYJ680	M 68 OHM, J, 1/10W	R7620	ERJ6GEYJ223	M 22KOHM, J, 1/10W
R7539	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	R7621	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R7540	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	R7622	ERJ6GEYJ223	M 22KOHM, J, 1/10W
R7541	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	R7623	ERJ6GEYJ104	M 100KOHM, J, 1/10W
R7542	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R7624	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R7543	ERJ6GEYJ125	M 1.2KOHM, J, 1/10W	R7625	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R7544	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	R7626	ERJ6GEYJ223	M 22KOHM, J, 1/10W
R7545	ERJ6GEYJ331	M 330 OHM, J, 1/10W	R7627	ERJ6GEYJ223	M 22KOHM, J, 1/10W
R7546	ERJ6GEYJ471	M 470 OHM, J, 1/10W	R7630	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R7547	ERJ6GEYJ682	M 6.8KOHM, J, 1/10W	R7631	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R7548	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W	R7632	ERJ6GEYJ473	M 47KOHM, J, 1/10W
R7549	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	R7633	ERJ6GEYJ473	M 47KOHM, J, 1/10W
R7550	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	R7634	ERJ6GEYJ471	M 470 OHM, J, 1/10W
R7551	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	R7635	ERJ6GEYJ471	M 470 OHM, J, 1/10W
R7552	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R7638	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R7553	ERJ6GEYJ125	M 1.2KOHM, J, 1/10W	R7639	ERJ6GEYJ223	M 22KOHM, J, 1/10W
R7554	ERJ6GEYJ223	M 22KOHM, J, 1/10W	R7640	ERJ6GEYJ223	M 22KOHM, J, 1/10W
R7555	ERJ6GEYJ331	M 330 OHM, J, 1/10W	R7641	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W
R7556	ERJ6GEYJ473	M 47KOHM, J, 1/10W	R7642	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W
R7557	ERJ6GEYJ331	M 330 OHM, J, 1/10W	R7643	ERJ6GEYJ153	M 15KOHM, J, 1/10W
R7558	ERJ6GEYJ821	M 820 OHM, J, 1/10W	R7644	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R7559	ERJ6GEYJ680	M 68 OHM, J, 1/10W	R7645	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R7560	ERJ6GEYJ680	M 68 OHM, J, 1/10W	R7646	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W
R7561	ERJ6GEYJ821	M 820 OHM, J, 1/10W	R7647	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W
R7562	ERJ6GEYJ821	M 820 OHM, J, 1/10W	R7648	ERJ6GEYJ153	M 15KOHM, J, 1/10W
R7563	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	R7649	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R7564	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	R7650	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R7565	ERJ6GEYJ680	M 68 OHM, J, 1/10W	R7651	ERJ6GEYJ223	M 22KOHM, J, 1/10W
R7566	ERJ6GEYJ101	M 100 OHM, J, 1/10W	R7652	ERJ6GEYJ223	M 22KOHM, J, 1/10W
R7567	ERJ6GEYJ101	M 100 OHM, J, 1/10W	R7653	ERJ6GEYJ153	M 15KOHM, J, 1/10W
R7568	ERJ6GEYJ182	M 1.8KOHM, J, 1/10W	R7701	ERJ6GEYJ104	M 100KOHM, J, 1/10W
R7569	ERJ6GEYJ471	M 470 OHM, J, 1/10W	R7702	ERJ6GEYJ104	M 100KOHM, J, 1/10W
R7570	ERJ6GEYJ682	M 6.8KOHM, J, 1/10W	R7703	ERJ6GEYJ104	M 100KOHM, J, 1/10W
R7571	ERJ6GEYJ153	M 15KOHM, J, 1/10W	R7704	ERJ6GEYJ104	M 100KOHM, J, 1/10W
R7572	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W	R7705	ERJ6GEYJ104	M 100KOHM, J, 1/10W
R7574	ERJ6GEYJ103	M 10KOHM, J, 1/10W	R7706	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R7575	ERJ6GEYJ101	M 100 OHM, J, 1/10W	R7707	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R7576	ERJ6GEYJ101	M 100 OHM, J, 1/10W	R7708	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R7577	ERJ6GEYJ101	M 100 OHM, J, 1/10W	R7709	ERJ6GEYJ331	M 330 OHM, J, 1/10W
R7578	ERJ6GEYJ101	M 100 OHM, J, 1/10W	R7710	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R7579	ERJ6GEYJ684	M 680KOHM, J, 1/10W	R7711	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R7580	ERJ6GEYJ103	M 10KOHM, J, 1/10W	R7712	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R7581	ERJ6GEYJ103	M 10KOHM, J, 1/10W	R7713	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W
R7582	ERJ6GEYJ103	M 10KOHM, J, 1/10W	R7714	ERJ6GEYJ122	M 1.2KOHM, J, 1/10W
R7583	ERJ6GEYJ103	M 10KOHM, J, 1/10W	R7715	ERJ6GEYJ101	M 100 OHM, J, 1/10W

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
R7716	ERJ6GEYJ223	M 22KOHM, J, 1/10W	R9203	ERG2SJ151	M 150 OHM, 2W
R7717	ERJ6GEYJ101	M 100 OHM, J, 1/10W	R9204	ERDS1FJ820	C 82 OHM, J, 1/2W
R7718	ERJ6GEYJ331	M 330 OHM, J, 1/10W	R9205	ERDS1FJ150	C 15 OHM, J, 1/2W
R7719	ERJ6GEYJ331	M 330 OHM, J, 1/10W	R9206	ERDS1FJ820	C 82 OHM, J, 1/2W
R7720	ERJ6GEYJ101	M 100 OHM, J, 1/10W	R9207	ERDS1FJ150	C 15 OHM, J, 1/2W
R7721	ERJ6GEYJ103	M 10KOHM, J, 1/10W	R9208	ERDS2TJ273	C 27KOHM, J, 1/4W
R7722	ERJ6GEYJ103	M 10KOHM, J, 1/10W	R9209	ERDS2CKF1203	M 120KOHM, F, 1/4W
R7723	ERJ6GEYJ103	M 10KOHM, J, 1/10W	R9210	ERDS2CKF1103	M 110KOHM, F, 1/4W
R7724	ERJ6GEYJ103	M 10KOHM, J, 1/10W	R9211	ERDS2CKF1203	M 120KOHM, F, 1/4W
R7725	ERJ6GEYJ333	M 33KOHM, J, 1/10W	R9212	ERDS2TC0	C 0 OHM, 1/4W
R7726	ERJ6GEYJ333	M 33KOHM, J, 1/10W	R9213	ERG2SJ471H	M 470 OHM, J, 2W
R7727	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	R9214	ERG2SJ471H	M 470 OHM, J, 2W
R7728	ERJ6GEYJ473	M 47KOHM, J, 1/10W	R9215	ERF10TLKR10	W 0.10 OHM, 10W
R7729	ERJ6GEYJ223	M 22KOHM, J, 1/10W	R9216	ERG3SJ473	M 47K OHM, 3W
R7730	ERJ6GEYJ101	M 100 OHM, J, 1/10W	R9217	ERDS2TJ100	C 10 OHM, J, 1/4W
R7731	ERJ6GEYJ101	M 100 OHM, J, 1/10W	R9218	ERDS2TJ472	C 4.7KOHM, J, 1/4W
R7732	ERJ6GEYJ101	M 100 OHM, J, 1/10W	R9219	ERJ6GEYJ820	M 82 OHM, J, 1/10W
R7733	ERJ6GEYJ101	M 100 OHM, J, 1/10W	R9220	ERJ6ENF2742	M 27.4KOHM, F, 1/10W
R7734	ERJ6GEYJ101	M 100 OHM, J, 1/10W	R9221	ERDS2TJ100	C 10 OHM, J, 1/4W
R7735	ERJ6GEYJ101	M 100 OHM, J, 1/10W	R9222	ERDS2TJ224	C 220KOHM, J, 1/4W
R7736	ERJ6GEYJ101	M 100 OHM, J, 1/10W	R9223	ERDS2TJ274	C 270KOHM, J, 1/4W
R7737	ERJ6GEYJ101	M 100 OHM, J, 1/10W	R9224	ERJ6GEYJ103	M 10KOHM, J, 1/10W
R7738	ERJ6GEYJ101	M 100 OHM, J, 1/10W	R9225	ERDS2TJ332	C 3.3KOHM, J, 1/4W
R7739	ERJ6GEYJ101	M 100 OHM, J, 1/10W	R9226	ERDS2CKF1801	M 1.8KOHM, F, 1/4W
R7740	ERJ6GEYJ101	M 100 OHM, J, 1/10W	R9227	ERJ6GEYJ684	M 680KOHM, J, 1/10W
R7741	ERJ6GEYJ101	M 100 OHM, J, 1/10W	R9228	ERDS2CKF1203	M 120KOHM, F, 1/4W
R7742	ERJ6GEYJ101	M 100 OHM, J, 1/10W	R9229	ERDS2CKF1203	M 120KOHM, F, 1/4W
R7743	ERJ6GEYJ101	M 100 OHM, J, 1/10W	R9230	ERDS2CKF1003	M 100KOHM, F, 1/4W
R7744	ERJ6GEYJ101	M 100 OHM, J, 1/10W	R9231	ERDS2CKF3902	M 39KOHM, F, 1/4W
R7751	ERJ6GEYJ101	M 100 OHM, J, 1/10W	R9232	ERDS2TJ332	C 3.3KOHM, J, 1/4W
R7755	ERJ6GEYJ103	M 10KOHM, J, 1/10W	R9233	ERDS2CKF1101	M 1100 OHM, F, 1/4W
R7756	ERJ6GEYJ223	M 22KOHM, J, 1/10W	R9234	ERJ6GEYJ105	M 1MOHM, J, 1/10W
R7757	ERJ6GEYJ223	M 22KOHM, J, 1/10W	R9235	ERJ6GEYJ393	M 39KOHM, J, 1/10W
R7801	ERJ6GEYJ273	M 27KOHM, J, 1/10W	R9236	ERJ6GEYJ183	M 18KOHM, J, 1/10W
R7802	ERJ6GEYJ154	M 150KOHM, J, 1/10W	R9238	ERG3SJ823	M 82KOHM, J, 3W
R7803	ERJ6GEYJ154	M 150KOHM, J, 1/10W	R9239	ERDS2TJ220	C 22 OHM, J, 1/4W
R7804	ERJ6GEYJ184	M 180KOHM, J, 1/10W	R9240	ERDS2TJ102	C 1KOHM, J, 1/4W
R7805	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W	R9241	ERDS2TJ392	C 3.9KOHM, J, 1/4W
R7806	ERJ6GEYJ333	M 33KOHM, J, 1/10W	R9242	ERX1SJ3R9P	M 3.9 OHM, J, 1W
R7807	ERJ6GEYJ273	M 27KOHM, J, 1/10W	R9243	ERDS2TJ822	C 8.2KOHM, J, 1/4W
R7808	ERJ6GEYJ154	M 150KOHM, J, 1/10W	R9244	ERG3SJ104	M 100KOHM, J, 3W
R7809	ERJ6GEYJ154	M 150KOHM, J, 1/10W	R9245	ERG1FJS220D	M 22 OHM, 1W
R7810	ERJ6GEYJ184	M 180KOHM, J, 1/10W	R9246	ERD25FJ102	C 1KOHM, J, 1/4W
R7811	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W	R9247	ERX2SJR68H	M 0.68 OHM, J, 2W
R7812	ERJ6GEYJ333	M 33KOHM, J, 1/10W	R9248	ERDS2TJ101	C 100 OHM, J, 1/4W
R7814	ERJ6GEYJ473	M 47KOHM, J, 1/10W	R9250	ERDS2CKF1203	M 120KOHM, F, 1/4W
R7816	ERJ6GEYJ101	M 100 OHM, J, 1/10W	R9251	ERDS2CKF1203	M 120KOHM, F, 1/4W
R7817	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W	R9252	ERDS2CKF1203	M 120KOHM, F, 1/4W
R7818	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R9253	ERDS2CKF4422	M 44.2KOHM, F, 1/4W
R7819	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R9254	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R7820	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W	R9255	ERJ6GEYJ102	M 1KOHM, J, 1/10W
R7821	ERJ6GEYJ101	M 100 OHM, J, 1/10W	R9256	ERDS2CKF5601	M 5.6KOHM, F, 1/4W
R7822	ERJ6GEYJ100	M 10 OHM, J, 1/10W	R9257	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W
R7823	ERJ6GEYJ100	M 10 OHM, J, 1/10W	R9258	ERDS2TJ100	C 10 OHM, J, 1/4W
R7824	ERJ6GEYJ331	M 330 OHM, J, 1/10W	R9301	ERDS2TJ332	C 3.3KOHM, J, 1/4W
R7825	ERJ6GEYJ682	M 6.8KOHM, J, 1/10W	R9302	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W
R7826	ERJ6GEYJ103	M 10KOHM, J, 1/10W	R9303	ERJ6GEYJ101	M 100 OHM, J, 1/10W
R7827	ERQ1CJP2R7S	F 2.7 OHM, J, 1W	R9304	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W
R7901	ERJ6GEYJ101	M 100 OHM, J, 1/10W	R9305	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W
R7902	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R9306	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W
R7905	ERJ6GEYJ102	M 1KOHM, J, 1/10W	R9307	ERJ6GEYJ223	M 22KOHM, J, 1/10W
R7906	ERJ6GEYJ331	M 330 OHM, J, 1/10W	R9308	ERDS2TJ221	C 220 OHM, J, 1/4W
R7907	ERJ6GEYJ331	M 330 OHM, J, 1/10W	R9309	ERDS2TJ332	C 3.3KOHM, J, 1/4W
R7908	ERJ6GEYJ221	M 220 OHM, J, 1/10W	R9310	ERJ6GEYJ223	M 22KOHM, J, 1/10W
R7909	ERJ6GEYJ101	M 100 OHM, J, 1/10W	R9311	ERJ6GEYJ223	M 22KOHM, J, 1/10W
R9101	ERDS1TJ474	C 4.7KOHM, J, 1/2W	R9312	ERJ6ENF1271	M 1.27KOHM, 1/10W
R9102	ERD75TAJ825	C 8.2MOHM, J, 3/4W	R9313	ERJ6GEYJ151	M 150 OHM, J, 1/10W
R9201	ERU5TAK6R8	F 6.8 OHM, 5W	R9314	ERJ6ENF1651	M 65KOHM, 1/10W
R9202	UN11010	PROTECTOR	R9315	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W

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Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
R9316	ERJ6GEYJ102	M 1KOHM, J, 1/10W	C1060	ECUX1H220JCX	C 22PF, J, 50V
R9317	ERJ6GEYJ101	M 100 OHM, J, 1/10W	C1062	ECUX1H180JCX	C 18PF, J, 50V
R9318	ERJ6ENF2871	M 2.87KOHM, 1/10W	C1063	ECUX1H180JCX	C 18PF, J, 50V
R9319	ERJ6ENF1101	M 1.1KOHM, 1/10W	C1066	ECEA1HKA220	E 22UF, 50V
R9320	ERJ6ENF3001	M 3KOHM, 1/10W	C1067	ECEA1CKA101	E 100UF, 16V
R9321	ERDS2TJ562	C 5.6KOHM, J, 1/4W	C1068	ECUX1H103KBX	C 0.01UF, K, 50V
R9322	ERJ6GEYJ243	M 24KOHM, J, 1/10W	C1069	ECEA1CKN330	E 33UF, 16V
R9323	ERDS2TJ823	C 82KOHM, J, 1/4W	C1070	ECEA1HKA100	E 10UF, 50V
R9324	ERJ6GEYJ473	M 47KOHM, J, 1/10W	C1071	ECEA1VKA470	E 47UF, 35V
R9325	ERG2SJ151	M 150 OHM, 2W	C1072	ECEA1CKN330	E 33UF, 16V
R9326	ERDS2TJ332	C 3.3KOHM, J, 1/4W	C1073	ECEA1CKA470	E 47UF, 16V
R9327	ERJ6GEYJ223	M 22KOHM, J, 1/10W	C1074	ECUX1H103KBX	C 0.01UF, K, 50V
R9328	ERJ6GEYJ223	M 22KOHM, J, 1/10W	C1075	ECEA1VKA470	E 47UF, 35V
R9329	ERJ6ENF2802	M 28KOHM, 1/10W	C1076	ECEA1CKN330	E 33UF, 16V
R9330	ERJ6ENF2002	M 20KOHM, J, 1/10W	C1077	ECEA1CKN220	E 22UF, 16V
CAPACITORS			C1078	ECUX1H103KBX	C 0.01UF, K, 50V
C1006	ECUX1H101JCX	C 100PF, J, 50V	C1079	ECEA1CKN330	E 33UF, 16V
C1007	ECUX1H101JCX	C 100PF, J, 50V	C1080	ECEA1CKN330	E 33UF, 16V
C1008	ECUX1H103KBX	C 0.01UF, K, 50V	C1081	ECEA1VKA470	E 47UF, 35V
C1009	ECUX1H103KBX	C 0.01UF, K, 50V	C1083	ECUX1H101JCX	C 100PF, J, 50V
C1010	ECEA1HKA010	E 1UF, 50V	C1089	ECUX1H103KBX	C 0.01UF, K, 50V
C1011	ECEA1HKA010	E 1UF, 50V	C1090	ECEA1EKN4R7	E 4.7UF, 25V
C1012	ECUX1H103KBX	C 0.01UF, K, 50V	C1091	ECEA1EKN4R7	E 4.7UF, 25V
C1013	ECEA1HKA470	E 0.47UF, 50V	C1092	ECUX1H680JCX	C 68PF, J, 50V
C1014	ECUX1H101JCX	C 100PF, J, 50V	C1093	ECUX1H221JCX	C 220PF, J, 50V
C1015	ECUX1H104ZFX	C 0.1UF, Z, 50V	C1094	ECUX1H221JCX	C 220PF, J, 50V
C1016	ECUX1H102JCX	C 1000PF, J, 50V	C1095	TCUY1C334KBM	C 0.33UF, 16V
C1017	ECUX1H102JCX	C 1000PF, J, 50V	C1097	ECUX1H103KBX	C 0.01UF, K, 50V
C1018	ECUX1H101JCX	C 100PF, J, 50V	C1098	ECEA1CKA101	E 100UF, 16V
C1019	ECUX1H121JCX	C 120PF, J, 50V	C1100	ECUX1H103KBX	C 0.01UF, K, 50V
C1020	TAC16SA33MF1	ELECTROLYTIC CAPACITOR	C1101	ECEA1VKA470	E 47UF, 35V
C1021	ECUX1H103KBX	C 0.01UF, K, 50V	C1102	ECEA1HKA2R2	E 2.2UF, 50V
C1022	ECEA1EKA470	E 47UF, 25V	C1103	ECEA1HKA010	E 1UF, 50V
C1023	ECUX1H103KBX	C 0.01UF, K, 50V	C1104	ECUX1H123KBX	C 0.012UF, K, 50V
C1024	ECEA1HKA220	E 22UF, 50V	C1105	ECEA1CKA101	E 100UF, 16V
C1025	ECUX1H103KBX	C 0.01UF, K, 50V	C1106	ECUX1H103KBX	C 0.01UF, K, 50V
C1026	ECEA1CKA101	E 100UF, 16V	C1107	ECEA1HKA100	E 10UF, 50V
C1027	ECUX1H103KBX	C 0.01UF, K, 50V	C1108	ECEA1HKA0R1	E 0.1UF, 50V
C1028	ECEA1AKA470	E 47UF, 10V	C1109	ECUX1H103KBX	C 0.01UF, K, 50V
C1029	ECUX1H103KBX	C 0.01UF, K, 50V	C1110	ECUX1H104ZFX	C 0.1UF, Z, 50V
C1030	ECEA1CKA101	E 100UF, 16V	C1111	ECEA1CKA101	E 100UF, 16V
C1031	ECEA1VKA470	E 47UF, 35V	C1112	ECUX1H103KBX	C 0.01UF, K, 50V
C1032	ECEA1CKA101	E 100UF, 16V	C1113	ECEA1HKA0R1	E 0.1UF, 50V
C1033	ECUX1H103KBX	C 0.01UF, K, 50V	C1114	ECUX1H104ZFX	C 0.1UF, Z, 50V
C1034	ECUX1H102JCX	C 1000PF, J, 50V	C1115	ECUX1H104ZFX	C 0.1UF, Z, 50V
C1035	ECUX1H103KBX	C 0.01UF, K, 50V	C1116	ECUX1H104ZFX	C 0.1UF, Z, 50V
C1036	ECEA1CKA101	E 100UF, 16V	C1117	ECEA1HKA010	E 1UF, 50V
C1037	ECUX1H103KBX	C 0.01UF, K, 50V	C1118	ECUX1H103KBX	C 0.01UF, K, 50V
C1039	ECUX1H103KBX	C 0.01UF, K, 50V	C1119	ECEA1HKA010	E 1UF, 50V
C1042	ECUX1H103KBX	C 0.01UF, K, 50V	C1120	ECEA1HKN2R2	E 2.2UF, 50V
C1043	ECUX1H104ZFX	C 0.1UF, Z, 50V	C1121	ECUX1H820JCX	C 82PF, J, 50V
C1044	ECUX1H101JCX	C 100PF, J, 50V	C1122	ECUX1H104ZFX	C 0.1UF, Z, 50V
C1045	TCUY1C474KBM	C 0.47UF, 16V	C1123	ECUX1H560JCX	C 56PF, J, 50V
C1046	ECUX1H104ZFX	C 0.1UF, Z, 50V	C1124	ECEA1HKA100	E 10UF, 50V
C1047	ECEA1CKA101	E 100UF, 16V	C1125	ECUX1H224ZFX	C 2700PF, Z, 50V
C1048	ECUX1H103KBX	C 0.01UF, K, 50V	C1126	ECUX1H104ZFX	C 0.1UF, Z, 50V
C1049	ECEA1HKA010	E 1UF, 50V	C1128	ECEA1HKA100	E 10UF, 50V
C1050	ECUX1H104ZFX	C 0.1UF, Z, 50V	C1129	ECEA1CKA101	E 100UF, 16V
C1052	ECUX1H103KBX	C 0.01UF, K, 50V	C1130	ECEA1HKA100	E 10UF, 50V
C1053	ECUX1H103KBX	C 0.01UF, K, 50V	C1131	ECUX1E473KBX	C 0.047UF, K, 25V
C1054	ECUX1H104ZFX	C 0.1UF, Z, 50V	C1132	ECEA1HKA010	E 1UF, 50V
C1055	ECEA1CKA101	E 100UF, 16V	C1133	ECUX1H103KBX	C 0.01UF, K, 50V
C1056	ECEA1CKA101	E 100UF, 16V	C1134	ECUX1H103KBX	C 0.01UF, K, 50V
C1057	ECUX1H104ZFX	C 0.1UF, Z, 50V	C1135	ECEA1VKA470	E 47UF, 35V
C1059	ECUX1H220JCX	C 22PF, J, 50V	C1136	ECUX1H103KBX	C 0.01UF, K, 50V
			C1137	ECEA1HKA0R1	E 0.1UF, 50V
			C1138	ECUX1H223KBX	C 0.022UF, K, 50V
			C1139	ECUX1H090CCX	C 9PF, 50V
			C1140	ECUX1H120JCX	C 12PF, J, 50V

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
C1141	ECUX1H223KBX	C 0.022UF, K, 50V	C1229	ECUX1H103KBX	C 0.01UF, K, 50V
C1142	ECUX1H102JCX	C 1000PF, J, 50V	C1231	ECUX1H103KBX	C 0.01UF, K, 50V
C1143	ECUX1H104ZFX	C 0.1UF, Z, 50V	C1232	ECUX1H103KBX	C 0.01UF, K, 50V
C1144	ECUX1H223KBX	C 0.022UF, K, 50V	C1234	ECUX1H103KBX	C 0.01UF, K, 50V
C1145	ECUX1H103KBX	C 0.01UF, K, 50V	C1235	ECUX1H103KBX	C 0.01UF, K, 50V
C1146	ECEA1VKA470	E 47UF, 35V	C1237	ECUX1H680JCX	C 68PF, J, 50V
C1147	ECUX1H271JCX	C 270PF, J, 50V	C1239	ECUX1H104ZFX	C 0.1UF, Z, 50V
C1151	ECUX1H103KBX	C 0.01UF, K, 50V	C1240	ECUX1H680JCX	C 68PF, J, 50V
C1152	ECEA1HKA0R1	E 0.1UF, 50V	C1242	ECUX1H104ZFX	C 0.1UF, Z, 50V
C1153	ECUX1H473ZFX	C 0.047UF, Z, 50V	C1243	ECUX1H680JCX	C 68PF, J, 50V
C1154	ECUX1H103KBX	C 0.01UF, K, 50V	C1245	ECUX1H104ZFX	C 0.1UF, Z, 50V
C1155	ECUX1H104ZFX	C 0.1UF, Z, 50V	C1246	ECUX1H103KBX	C 0.01UF, K, 50V
C1156	ECEA1VKA470	E 47UF, 35V	C1247	ECUX1H104ZFX	C 0.1UF, Z, 50V
C1157	ECUX1E473KBX	C 0.047UF, K, 25V	C1248	ECUX1H104ZFX	C 0.1UF, Z, 50V
C1158	ECEA1HKA100	E 10UF, 50V	C1249	ECUX1H104ZFX	C 0.1UF, Z, 50V
C1159	ECUX1H104ZFX	C 0.1UF, Z, 50V	C1250	ECEA1HKA010	E 1UF, 50V
C1160	ECEA1HKNR47	E 0.47UF, 50V	C1251	ECUX1H472KBX	C 4700PF, K, 50V
C1161	ECEA1HKAR47	E 0.47UF, 50V	C1252	ECUX1H103KBX	C 0.01UF, K, 50V
C1162	ECEA1HKAR47	E 0.47UF, 50V	C1253	ECUX1H104ZFX	C 0.1UF, Z, 50V
C1163	ECEA1CKA101	E 100UF, 16V	C1254	ECEA1CKN330	E 33UF, 16V
C1164	ECUX1H103KBX	C 0.01UF, K, 50V	C1255	ECEA1CKN330	E 33UF, 16V
C1165	ECEA1VKA470	E 47UF, 35V	C1256	ECEA1CKN330	E 33UF, 16V
C1166	ECEA1HKA0R1	E 0.1UF, 50V	C1257	ECEA1CKN220	E 22UF, 16V
C1167	ECEA1HKNR47	E 0.47UF, 50V	C1258	ECUX1H104ZFX	C 0.1UF, Z, 50V
C1168	ECEA1HKNR47	E 0.47UF, 50V	C1259	ECUX1H470JCX	C 47PF, J, 50V
C1169	ECUX1H103KBX	C 0.01UF, K, 50V	C1260	ECUX1H121JCX	C 120PF, J, 50V
C1170	ECEA1HKN2R2	E 2.2UF, 50V	C1261	ECEA1CKN220	E 22UF, 16V
C1171	ECEA1HKN2R2	E 2.2UF, 50V	C1262	ECUX1H103KBX	C 0.01UF, K, 50V
C1172	ECEA1HKA100	E 10UF, 50V	C1263	ECUX1H103KBX	C 0.01UF, K, 50V
C1173	ECEA1HKA2R2	E 2.2UF, 50V	C1264	ECA1CM331G	E 330UF, 16V
C1174	ECEA1HKA2R2	E 2.2UF, 50V	C1265	ECUX1H102JCX	C 1000PF, J, 50V
C1175	ECUX1H104ZFX	C 0.1UF, Z, 50V	C1266	ECEA1CKN470	E 47UF, 16V
C1176	ECUX1H101JCX	C 100PF, J, 50V	C1267	ECUX1H102JCX	C 1000PF, J, 50V
C1177	ECUX1H103KBX	C 0.01UF, K, 50V	C1268	ECEA1CKN470	E 47UF, 16V
C1178	ECUX1H121JCX	C 120PF, J, 50V	C1269	ECUX1H102JCX	C 1000PF, J, 50V
C1179	ECUX1H101JCX	C 100PF, J, 50V	C1270	ECEA1CKN470	E 47UF, 16V
C1180	ECUX1H103KBX	C 0.01UF, K, 50V	C1271	ECUX1H102JCX	C 1000PF, J, 50V
C1181	ECUX1H103KBX	C 0.01UF, K, 50V	C1272	ECEA1CKN470	E 47UF, 16V
C1182	ECUX1H103KBX	C 0.01UF, K, 50V	C1273	ECUX1H102JCX	C 1000PF, J, 50V
C1183	ECUX1H103KBX	C 0.01UF, K, 50V	C1274	ECEA1CKN470	E 47UF, 16V
C1184	ECUX1H103KBX	C 0.01UF, K, 50V	C1275	ECUX1H102JCX	C 1000PF, J, 50V
C1185	ECEA1HKA220	E 22UF, 50V	C1276	ECEA1CKN470	E 47UF, 16V
C1186	ECUX1H103KBX	C 0.01UF, K, 50V	C1277	ECUX1H104ZFX	C 0.1UF, Z, 50V
C1187	ECUX1H103KBX	C 0.01UF, K, 50V	C1283	ECEA1EKN3R3	E 3.3UF, 25V
C1194	ECEA1EKN220	E 22UF, 25V	C1284	ECEA1EKN3R3	E 3.3UF, 25V
C1195	ECEA1EKN220	E 22UF, 25V	C1285	ECEA1EKN3R3	E 3.3UF, 25V
C1196	ECEA1EKN220	E 22UF, 25V	C1286	ECUX1H681JCX	C 680PF, J, 50V
C1197	ECUX1H103KBX	C 0.01UF, K, 50V	C1287	ECUX1H681JCX	C 680PF, J, 50V
C1198	ECEA1CKA470	E 47UF, 16V	C1288	ECUX1H681JCX	C 680PF, J, 50V
C1199	ECUX1H103KBX	C 0.01UF, K, 50V	C1300	ECUX1H150JCX	C 15PF, J, 50V
C1200	ECUX1H103KBX	C 0.01UF, K, 50V	C1301	ECUX1H150JCX	C 15PF, J, 50V
C1201	ECUX1H103KBX	C 0.01UF, K, 50V	C1302	ECUX1H270JCX	C 27PF, J, 50V
C1202	ECUX1H103KBX	C 0.01UF, K, 50V	C1303	ECEA1HKN010	E 1UF, 50V
C1203	ECEA1HKA2R2	E 2.2UF, 50V	C1305	ECUX1H080CCX	C 8PF, C, 50V
C1205	ECUX1H101JCX	C 100PF, J, 50V	C1306	ECUX1H080CCX	C 8PF, C, 50V
C1206	ECUX1H101JCX	C 100PF, J, 50V	C1307	ECUX1H080CCX	C 8PF, C, 50V
C1207	ECEA1HKA010	E 1UF, 50V	C1310	ECKF1H101KB	C 100PF, K, 50V
C1208	ECUX1H103KBX	C 0.01UF, K, 50V	C2001	ECUX1C105ZFX	C 1UF, Z, 16V
C1209	ECEA1HKA010	E 1UF, 50V	C2002	ECUX1H104ZFX	C 0.1UF, Z, 50V
C1210	ECUX1H103KBX	C 0.01UF, K, 50V	C2003	ECUX1H104ZFX	C 0.1UF, Z, 50V
C1211	ECEA1HKA010	E 1UF, 50V	C2004	ECUX1H104ZFX	C 0.1UF, Z, 50V
C1212	ECUX1H103KBX	C 0.01UF, K, 50V	C2005	ECUX1H104ZFX	C 0.1UF, Z, 50V
C1213	ECUX1H103KBX	C 0.01UF, K, 50V	C2006	ECUX1H104ZFX	C 0.1UF, Z, 50V
C1218	ECEA1CKA101	E 100UF, 16V	C2007	ECUX1H104ZFX	C 0.1UF, Z, 50V
C1219	ECUX1H103KBX	C 0.01UF, K, 50V	C2008	ECUX1C105ZFX	C 1UF, Z, 16V
C1222	ECUX1H103KBX	C 0.01UF, K, 50V	C2009	ECUX1H104ZFX	C 0.1UF, Z, 50V
C1223	ECUX1H104ZFX	C 0.1UF, Z, 50V	C2010	ECUX1H104ZFX	C 0.1UF, Z, 50V
C1224	TCUY1C334KBM	C 0.33UF, 16V	C2011	ECUX1H104ZFX	C 0.1UF, Z, 50V
C1228	ECUX1H103KBX	C 0.01UF, K, 50V	C2012	ECUX1H104ZFX	C 0.1UF, Z, 50V

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
C2013	ECUX1H104ZFX	C 0.1UF, Z, 50V	C2085	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2014	ECUX1H104ZFX	C 0.1UF, Z, 50V	C2086	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2015	ECUX1C105ZFX	C 1UF, Z, 16V	● C2087	ECEA1CGE221	E 220UF, 16V
C2016	ECUX1H104ZFX	C 0.1UF, Z, 50V	○ C2087	ECEA1AGE221	E 220UF, 10V
C2017	ECUX1H104ZFX	C 0.1UF, Z, 50V	C2088	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2018	ECUX1H104ZFX	C 0.1UF, Z, 50V	C2089	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2019	ECUX1H104ZFX	C 0.1UF, Z, 50V	C2090	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2020	ECUX1H104ZFX	C 0.1UF, Z, 50V	C2091	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2021	ECUX1H104ZFX	C 0.1UF, Z, 50V	C2092	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2022	ECUX1H104ZFX	C 0.1UF, Z, 50V	C2093	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2023	ECUX1H104ZFX	C 0.1UF, Z, 50V	C2094	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2024	ECUX1H104ZFX	C 0.1UF, Z, 50V	C2095	ECUX1C105ZFX	C 1UF, Z, 16V
C2025	ECUX1H104ZFX	C 0.1UF, Z, 50V	C2096	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2026	ECUX1H104ZFX	C 0.1UF, Z, 50V	C2097	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2027	ECUX1H104ZFX	C 0.1UF, Z, 50V	● C2098	ECA1CM471	E 470UF, 16V
C2030	ECUX1H104ZFX	C 0.1UF, Z, 50V	○ C2098	ECA1AM471	E 470UF, 10V
C2031	ECUX1H104ZFX	C 0.1UF, Z, 50V	C2099	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2032	ECUX1H104ZFX	C 0.1UF, Z, 50V	C2100	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2033	ECUX1H104ZFX	C 0.1UF, Z, 50V	C2101	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2034	ECUX1H104ZFX	C 0.1UF, Z, 50V	C2102	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2035	ECUX1H104ZFX	C 0.1UF, Z, 50V	C2103	ECUX1H102JCX	C 1000PF, J, 50V
C2036	ECUX1H104ZFX	C 0.1UF, Z, 50V	C2104	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2037	ECUX1H104ZFX	C 0.1UF, Z, 50V	C2105	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2038	ECUX1H104ZFX	C 0.1UF, Z, 50V	● C2106	ECA1CM471	E 470UF, 16V
C2039	ECUX1H104ZFX	C 0.1UF, Z, 50V	○ C2106	ECA1AM471	E 470UF, 10V
C2042	ECUX1H104ZFX	C 0.1UF, Z, 50V	C2107	ECUX1C105ZFX	C 1UF, Z, 16V
C2043	ECUX1H104ZFX	C 0.1UF, Z, 50V	C2108	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2044	ECUX1H104ZFX	C 0.1UF, Z, 50V	C2109	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2045	ECUX1H104ZFX	C 0.1UF, Z, 50V	C2110	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2046	ECUX1H104ZFX	C 0.1UF, Z, 50V	C2111	ECUX1C105ZFX	C 1UF, Z, 16V
C2047	ECUX1H104ZFX	C 0.1UF, Z, 50V	C2112	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2048	ECUX1H104ZFX	C 0.1UF, Z, 50V	C2113	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2049	ECUX1H104ZFX	C 0.1UF, Z, 50V	C2114	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2050	ECUX1H104ZFX	C 0.1UF, Z, 50V	C2115	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2053	ECUX1H104ZFX	C 0.1UF, Z, 50V	C2116	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2054	ECUX1H104ZFX	C 0.1UF, Z, 50V	C2117	ECUX1H104ZFX	C 0.1UF, Z, 50V
● C2055	ECEA1EKA470	E 47UF, 25V	C2118	ECUX1H104ZFX	C 0.1UF, Z, 50V
○ C2055	ECEA1AGE221	E 220UF, 10V	C2119	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2056	ECUX1H104ZFX	C 0.1UF, Z, 50V	C2120	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2057	ECUX1H470JCX	C 47PF, J, 50V	C2121	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2058	ECUX1H470JCX	C 47PF, J, 50V	C2122	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2059	ECUX1C105ZFX	C 1UF, Z, 16V	C2123	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2060	ECUX1C105ZFX	C 1UF, Z, 16V	C2124	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2061	ECUX1H102JCX	C 1000PF, J, 50V	C2125	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2062	ECUX1H102JCX	C 1000PF, J, 50V	C2126	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2063	ECUX1H104ZFX	C 0.1UF, Z, 50V	C2127	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2064	ECUX1H104ZFX	C 0.1UF, Z, 50V	C2128	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2065	ECUX1H102JCX	C 1000PF, J, 50V	C2129	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2066	ECUX1H102JCX	C 1000PF, J, 50V	C2130	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2067	ECUX1H104ZFX	C 0.1UF, Z, 50V	C2131	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2068	ECUX1H102JCX	C 1000PF, J, 50V	C2132	ECUX1H104ZFX	C 0.1UF, Z, 50V
● C2069	ECEA1EKA220	E 22UF, 25V	C2133	ECUX1H104ZFX	C 0.1UF, Z, 50V
○ C2069	ECEA1EKA470	E 47UF, 25V	C2134	ECUX1H104ZFX	C 0.1UF, Z, 50V
● C2070	ECEA1EKA220	E 22UF, 25V	C2135	ECUX1H104ZFX	C 0.1UF, Z, 50V
○ C2070	ECEA1EKA470	E 47UF, 25V	C2136	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2071	ECUX1H104ZFX	C 0.1UF, Z, 50V	C2137	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2072	ECUX1H104ZFX	C 0.1UF, Z, 50V	C2138	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2073	ECUX1H104ZFX	C 0.1UF, Z, 50V	C2139	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2074	ECUX1H104ZFX	C 0.1UF, Z, 50V	C2140	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2075	ECUX1H104ZFX	C 0.1UF, Z, 50V	C2141	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2076	ECUX1H104ZFX	C 0.1UF, Z, 50V	● C2142	ECA1EM221G	E 220UF, 25V
C2077	ECUX1H104ZFX	C 0.1UF, Z, 50V	○ C2142	ECEA1EGE221	E 220UF, 25V
C2078	ECUX1H104ZFX	C 0.1UF, Z, 50V	C2143	ECEA1AKA221	E 220UF, 10V
C2079	ECUX1H104ZFX	C 0.1UF, Z, 50V	● C2144	ECA1EM221G	E 220UF, 25V
C2080	ECUX1H104ZFX	C 0.1UF, Z, 50V	○ C2144	ECEA1EGE221	E 220UF, 25V
C2081	ECUX1H104ZFX	C 0.1UF, Z, 50V	C2145	ECEA1AKA221	E 220UF, 10V
C2082	ECUX1H104ZFX	C 0.1UF, Z, 50V	C2146	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2083	ECUX1H104ZFX	C 0.1UF, Z, 50V	○ C2147	ECUX1H390JCX	C 39PF, J, 50V
C2084	ECUX1H104ZFX	C 0.1UF, Z, 50V	C2148	ECA1EM221G	E 220UF, 25V

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
C2149	ECA1EM221G	E 220UF, 25V	○ C2243	ECUX1H103KBX	C 0.01UF, K, 50V
C2150	ECUX1H104ZFX	C 0.1UF, Z, 50V	● C2244	ECHU1C223JA5	P 0.022UF, 16V
C2151	ECUX1H104ZFX	C 0.1UF, Z, 50V	● C2245	ECHU1C223JA5	P 0.022UF, 16V
C2152	ECUX1H103KBX	C 0.01UF, K, 50V	● C2246	ECHU1C223JA5	P 0.022UF, 16V
C2153	ECA1AM471	E 470UF, 10V	● C2247	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2154	ECA1AM471	E 470UF, 10V	● C2248	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2155	ECA1AM471	E 470UF, 10V	● C2249	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2156	ECEA1AGE221	E 220UF, 10V	● C2250	ECUX1H223ZFX	C 0.022UF, Z, 50V
○ C2157	ECUX1H104ZFX	C 0.1UF, Z, 50V	● C2251	ECUX1H104ZFX	C 0.1UF, Z, 50V
○ C2158	ECUX1H104ZFX	C 0.1UF, Z, 50V	● C2252	ECUX1H104ZFX	C 0.1UF, Z, 50V
○ C2159	ECUX1H104ZFX	C 0.1UF, Z, 50V	● C2253	ECUX1H223ZFX	C 0.022UF, Z, 50V
C2160	ECUX1H101JCX	C 100PF, J, 50V	● C2254	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2161	ECUX1H101JCX	C 100PF, J, 50V	● C2255	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2162	ECUX1H101JCX	C 100PF, J, 50V	● C2256	ECUX1H223ZFX	C 0.022UF, Z, 50V
C2163	ECUX1H104ZFX	C 0.1UF, Z, 50V	● C2257	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2164	ECUX1H104ZFX	C 0.1UF, Z, 50V	● C2258	ECUX1H104ZFX	C 0.1UF, Z, 50V
C2165	ECUX1H104ZFX	C 0.1UF, Z, 50V	● C2262	ECUX1H103KBX	C 0.01UF, K, 50V
● C2166	ECUX1H104ZFX	C 0.1UF, Z, 50V	● C2263	ECUX1H103KBX	C 0.01UF, K, 50V
● C2167	ECUX1H104ZFX	C 0.1UF, Z, 50V	● C2264	ECUX1H103KBX	C 0.01UF, K, 50V
● C2168	ECUX1H104ZFX	C 0.1UF, Z, 50V	● C2265	ECUX1H103KBX	C 0.01UF, K, 50V
● C2169	ECUX1H104ZFX	C 0.1UF, Z, 50V	● C2266	ECUX1H103KBX	C 0.01UF, K, 50V
● C2170	ECUX1H104ZFX	C 0.1UF, Z, 50V	● C2267	ECUX1H103KBX	C 0.01UF, K, 50V
● C2171	ECUX1H104ZFX	C 0.1UF, Z, 50V	● C2268	ECUX1H103KBX	C 0.01UF, K, 50V
C2201	ECUX1H103KBX	C 0.01UF, K, 50V	● C2269	ECUX1H103KBX	C 0.01UF, K, 50V
C2202	ECUX1H103KBX	C 0.01UF, K, 50V	● C2270	ECUX1H103KBX	C 0.01UF, K, 50V
C2203	ECUX1H103KBX	C 0.01UF, K, 50V	● C2271	ECUX1H103KBX	C 0.01UF, K, 50V
● C2204	ECUX1H103KBX	C 0.01UF, K, 50V	● C2272	ECUX1H103KBX	C 0.01UF, K, 50V
○ C2204	ECUX1H680JCX	C 68PF, J, 50V	● C2273	ECUX1H103KBX	C 0.01UF, K, 50V
● C2205	ECUX1H103KBX	C 0.01UF, K, 50V	● C2274	ECUX1H103KBX	C 0.01UF, K, 50V
○ C2205	ECUX1H680JCX	C 68PF, J, 50V	● C2275	ECUX1H103KBX	C 0.01UF, K, 50V
● C2206	ECUX1H680JCX	C 68PF, J, 50V	● C2276	ECUX1H103KBX	C 0.01UF, K, 50V
○ C2206	ECUX1H103KBX	C 0.01UF, K, 50V	● C2277	ECUX1H103KBX	C 0.01UF, K, 50V
● C2207	ECUX1H680JCX	C 68PF, J, 50V	● C2278	ECUX1H103KBX	C 0.01UF, K, 50V
○ C2207	ECUX1H103KBX	C 0.01UF, K, 50V	● C2279	ECUX1H103KBX	C 0.01UF, K, 50V
C2208	ECUX1H103KBX	C 0.01UF, K, 50V	● C2280	ECUX1H103KBX	C 0.01UF, K, 50V
C2209	TCUY1C105ZFN	C 1UF, 16V	● C2281	ECUX1H103KBX	C 0.01UF, K, 50V
C2210	ECUX1H121JCX	C 120PF, J, 50V	● C2282	ECUX1H103KBX	C 0.01UF, K, 50V
C2211	ECUX1H104ZFX	C 0.1UF, Z, 50V	● C2283	ECUX1H103KBX	C 0.01UF, K, 50V
C2212	TCUY1C105ZFN	C 1UF, 16V	● C2284	ECUX1H103KBX	C 0.01UF, K, 50V
C2213	ECUX1H103KBX	C 0.01UF, K, 50V	● C2285	ECUX1H103KBX	C 0.01UF, K, 50V
C2214	ECUX1H103KBX	C 0.01UF, K, 50V	● C2286	ECUX1H103KBX	C 0.01UF, K, 50V
C2215	ECUX1H103KBX	C 0.01UF, K, 50V	● C2287	ECUX1H103KBX	C 0.01UF, K, 50V
C2216	ECUX1H103KBX	C 0.01UF, K, 50V	● C2288	ECUX1H103KBX	C 0.01UF, K, 50V
C2217	ECUX1H103KBX	C 0.01UF, K, 50V	● C2289	ECUX1H103KBX	C 0.01UF, K, 50V
C2218	ECUX1H103KBX	C 0.01UF, K, 50V	● C2290	ECUX1H103KBX	C 0.01UF, K, 50V
C2219	ECUX1H103KBX	C 0.01UF, K, 50V	● C2291	ECUX1H103KBX	C 0.01UF, K, 50V
C2220	ECUX1H470JCX	C 47PF, J, 50V	● C2292	ECUX1H103KBX	C 0.01UF, K, 50V
C2221	ECUX1H470JCX	C 47PF, J, 50V	● C2293	ECUX1H103KBX	C 0.01UF, K, 50V
C2222	ECUX1H470JCX	C 47PF, J, 50V	● C2294	ECUX1H103KBX	C 0.01UF, K, 50V
C2223	ECHU1C223JA5	P 0.022UF, 16V	● C2298	ECUX1H103KBX	C 0.01UF, K, 50V
C2224	ECHU1C223JA5	P 0.022UF, 16V	● C2299	ECUX1H103KBX	C 0.01UF, K, 50V
C2225	ECHU1C223JA5	P 0.022UF, 16V	○ C2301	ECEA1CKA101	E 100UF, 16V
C2226	ECUX1H104ZFX	C 0.1UF, Z, 50V	○ C2302	ECEA1CKA101	E 100UF, 16V
C2227	ECUX1H104ZFX	C 0.1UF, Z, 50V	○ C2303	ECEV1CG470GP	E 47UF, 16V
C2228	ECUX1H104ZFX	C 0.1UF, Z, 50V	● C2304	ECUX1H330JCX	C 33PF, J, 50V
C2229	ECUX1H223ZFX	C 0.022UF, Z, 50V	○ C2304	ECA1AM471	E 470UF, 10V
C2230	ECUX1H104ZFX	C 0.1UF, Z, 50V	○ C2305	ECA1AM471	E 470UF, 10V
C2231	ECUX1H104ZFX	C 0.1UF, Z, 50V	● C2306	ECUX1H330JCX	C 33PF, J, 50V
C2232	ECUX1H223ZFX	C 0.022UF, Z, 50V	○ C2306	ECEV1CG470GP	E 47UF, 16V
C2233	ECUX1H104ZFX	C 0.1UF, Z, 50V	○ C2307	ECEV1CG470GP	E 47UF, 16V
C2234	ECUX1H104ZFX	C 0.1UF, Z, 50V	○ C2308	ECEA1CKA220	E 22UF, 16V
C2235	ECUX1H223ZFX	C 0.022UF, Z, 50V	○ C2309	ECEV1CG220GP	E 22UF, 16V
C2236	ECUX1H104ZFX	C 0.1UF, Z, 50V	● C2310	ECUX1H103KBX	C 0.01UF, K, 50V
C2237	ECUX1H104ZFX	C 0.1UF, Z, 50V	○ C2310	ECEA1CKA470	E 47UF, 16V
● C2241	ECUX1H470JCX	C 47PF, J, 50V	● C2311	ECUX1H103KBX	C 0.01UF, K, 50V
○ C2241	ECUX1H103KBX	C 0.01UF, K, 50V	○ C2311	ECEA1CKA101	E 100UF, 16V
● C2242	ECUX1H470JCX	C 47PF, J, 50V	● C2312	ECUX1H103KBX	C 0.01UF, K, 50V
○ C2242	ECUX1H103KBX	C 0.01UF, K, 50V	○ C2312	ECEA1EKA4R7	E 4.7UF, 25V
● C2243	ECUX1H470JCX	C 47PF, J, 50V	● C2313	ECUX1H103KBX	C 0.01UF, K, 50V

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
○ C2313	ECEA1EKA4R7	E 4.7UF, 25V	C7006	ECUX1H102JCX	C 1000PF, J, 50V
● C2314	ECUX1H103KBX	C 0.01UF, K, 50V	C7007	ECUX1H101JCX	C 100PF, J, 50V
○ C2314	ECEA1EKA4R7	E 4.7UF, 25V	C7008	ECUX1H101JCX	C 100PF, J, 50V
● C2315	ECUX1H103KBX	C 0.01UF, K, 50V	C7009	ECUX1H102JCX	C 1000PF, J, 50V
○ C2315	ECEA1EKA4R7	E 4.7UF, 25V	C7011	ECEA1EKA220	E 22UF, 25V
● C2316	ECUX1H103KBX	C 0.01UF, K, 50V	C7012	ECUX1H104ZFX	C 0.1UF, Z, 50V
○ C2316	ECEA1EKA4R7	E 4.7UF, 25V	C7013	ECUX1H330JCX	C 33PF, J, 50V
● C2317	ECUX1H103KBX	C 0.01UF, K, 50V	C7014	ECUX1H330JCX	C 33PF, J, 50V
○ C2317	ECEA1EKA4R7	E 4.7UF, 25V	C7015	ECUX1H104ZFX	C 0.1UF, Z, 50V
○ C2318	ECEA1CKA470	E 47UF, 16V	C7016	ECUX1H104ZFX	C 0.1UF, Z, 50V
● C2320	ECUX1H103KBX	C 0.01UF, K, 50V	C7017	ECUX1H104ZFX	C 0.1UF, Z, 50V
● C2321	ECUX1H103KBX	C 0.01UF, K, 50V	C7018	ECUX1H102JCX	C 1000PF, J, 50V
● C2322	ECUX1H103KBX	C 0.01UF, K, 50V	C7019	ECUX1H333ZFX	C 0.033UF, Z, 50V
● C2323	ECUX1H103KBX	C 0.01UF, K, 50V	C7020	ECUX1H104ZFX	C 0.1UF, Z, 50V
● C2324	ECUX1H103KBX	C 0.01UF, K, 50V	C7021	ECUX1H102JCX	C 1000PF, J, 50V
● C2325	ECUX1H103KBX	C 0.01UF, K, 50V	C7022	ECUX1H102JCX	C 1000PF, J, 50V
● C2326	ECUX1H103KBX	C 0.01UF, K, 50V	C7023	ECUX1H102JCX	C 1000PF, J, 50V
● C2327	ECUX1H103KBX	C 0.01UF, K, 50V	C7024	ECUX1H104ZFX	C 0.1UF, Z, 50V
● C2350	ECEA1CKA101	E 100UF, 16V	C7025	ECUX1H104ZFX	C 0.1UF, Z, 50V
● C2351	ECEA1CKA101	E 100UF, 16V	C7026	ECUX1H104ZFX	C 0.1UF, Z, 50V
● C2352	ECEV1CG470GP	E 47UF, 16V	C7027	ECUX1H104ZFX	C 0.1UF, Z, 50V
● C2353	ECA1CM471	E 470UF, 16V	C7028	ECUX1H104ZFX	C 0.1UF, Z, 50V
● C2354	ECA1CM471	E 470UF, 16V	● C7029	ECA1CM471	E 470UF, 16V
● C2355	ECEV1CG470GP	E 47UF, 16V	○ C7029	ECA1AM471	E 470UF, 10V
● C2356	ECEV1CG470GP	E 47UF, 16V	C7030	ECUX1H104ZFX	C 0.1UF, Z, 50V
● C2357	ECEA1CKA220	E 22UF, 16V	C7031	ECEA1EKA220	E 22UF, 25V
● C2358	ECEV1CG220GP	E 22UF, 16V	C7032	ECEA1EKA220	E 22UF, 25V
● C2359	ECEA1CKA470	E 47UF, 16V	C7033	ECUX1H102JCX	C 1000PF, J, 50V
● C2360	ECEA1CKA101	E 100UF, 16V	C7034	ECUX1H104ZFX	C 0.1UF, Z, 50V
● C2361	ECEA1EKA4R7	E 4.7UF, 25V	C7035	ECUX1H104ZFX	C 0.1UF, Z, 50V
● C2362	ECEA1EKA4R7	E 4.7UF, 25V	C7036	ECEA1AGE221	E 220UF, 10V
● C2363	ECEA1EKA4R7	E 4.7UF, 25V	● C7037	ECA1EM221G	E 220UF, 25V
● C2364	ECEA1EKA4R7	E 4.7UF, 25V	○ C7037	ECEA1EGE221	E 220UF, 25V
● C2365	ECEA1EKA4R7	E 4.7UF, 25V	● C7038	ECEA1EKA220	E 22UF, 25V
● C2366	ECEA1EKA4R7	E 4.7UF, 25V	○ C7038	ECEA1EGE221	E 220UF, 25V
● C2367	ECEA1CKA470	E 47UF, 16V	C7039	ECUX1H102JCX	C 1000PF, J, 50V
● C2368	ECEA1CKA101	E 100UF, 16V	C7040	ECUX1H104ZFX	C 0.1UF, Z, 50V
● C2369	ECEA1EKA4R7	E 4.7UF, 25V	● C7041	ECA1EM221G	E 220UF, 25V
● C2370	ECEA1EKA4R7	E 4.7UF, 25V	○ C7041	ECEA1EGE221	E 220UF, 25V
● C2371	ECEA1EKA4R7	E 4.7UF, 25V	C7042	ECUX1H102JCX	C 1000PF, J, 50V
● C2372	ECEA1EKA4R7	E 4.7UF, 25V	C7043	ECUX1H102JCX	C 1000PF, J, 50V
● C2373	ECEA1EKA4R7	E 4.7UF, 25V	C7044	ECUX1H101JCX	C 100PF, J, 50V
● C2374	ECEA1EKA4R7	E 4.7UF, 25V	C7045	ECUX1H101JCX	C 100PF, J, 50V
● C2375	ECEA1CKA470	E 47UF, 16V	C7046	ECUX1C105ZFX	C 1UF, Z, 16V
● C2376	ECEA1CKA470	E 47UF, 16V	C7047	ECUX1H104ZFX	C 0.1UF, Z, 50V
● C2377	ECEA1CKA470	E 47UF, 16V	C7048	ECEA1EKA101	E 100UF, 25V
● C2378	ECA1CM471	E 470UF, 16V	C7049	ECEA1EKA101	E 100UF, 25V
● C2379	ECA1CM471	E 470UF, 16V	C7050	ECEA1AKA470	E 47UF, 10V
● C2380	ECA1CM471	E 470UF, 16V	C7051	ECUX1H104ZFX	C 0.1UF, Z, 50V
● C2381	ECA1CM471	E 470UF, 16V	C7052	ECUX1H104ZFX	C 0.1UF, Z, 50V
● C2424	ECUX1H330JCX	C 33PF, J, 50V	● C7053	ECEA1AKA470	E 47UF, 10V
● C2428	ECUX1H101JCX	C 100PF, J, 50V	C7501	ECEA1CKA100	E 10UF, 16V
● C2440	ECUX1H330JCX	C 33PF, J, 50V	C7502	ECEA1CKA100	E 10UF, 16V
● C2441	ECUX1H330JCX	C 33PF, J, 50V	C7503	ECEA1CKA100	E 10UF, 16V
● C2443	ECUX1H330JCX	C 33PF, J, 50V	C7507	ECUX1H103KBX	C 0.01UF, K, 50V
● C2444	ECUX1H101JCX	C 100PF, J, 50V	C7509	ECEA1CKA100	E 10UF, 16V
● C2445	ECUX1H330JCX	C 33PF, J, 50V	C7510	ECEA1CKA100	E 10UF, 16V
● C2446	ECUX1H330JCX	C 33PF, J, 50V	C7511	ECEA1CKA100	E 10UF, 16V
● C2447	ECUX1H101JCX	C 100PF, J, 50V	C7514	ECUX1H103KBX	C 0.01UF, K, 50V
● C2448	ECUX1H101JCX	C 100PF, J, 50V	C7515	ECUX1H103KBX	C 0.01UF, K, 50V
● C2449	ECUX1H101JCX	C 100PF, J, 50V	C7516	ECUX1H104ZFX	C 0.1UF, Z, 50V
● C2450	ECUX1H101JCX	C 100PF, J, 50V	C7519	ECUX1H103KBX	C 0.01UF, K, 50V
● C2451	ECUX1H101JCX	C 100PF, J, 50V	C7520	ECEA1CKA101	E 100UF, 16V
● C2452	ECUX1H330JCX	C 33PF, J, 50V	C7521	ECEA1CKA101	E 100UF, 16V
C7001	ECUX1H101JCX	C 100PF, J, 50V	C7522	ECUX1H103KBX	C 0.01UF, K, 50V
C7002	ECUX1H101JCX	C 100PF, J, 50V	C7523	ECEA1AKA101	E 100UF, 10V
C7003	ECUX1H101JCX	C 100PF, J, 50V	C7524	ECUX1H103KBX	C 0.01UF, K, 50V
C7004	ECUX1H101JCX	C 100PF, J, 50V	C7525	ECEA1CKN100	E 10UF, 16V
C7005	ECUX1H102JCX	C 1000PF, J, 50V	C7526	ECUX1C105ZFX	C 1UF, Z, 16V

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
C7527	ECUX1H151JCX	C 150PF, J, 50V	C7820	ECEA1CKA100	E 10UF, 16V
C7528	ECEA1CKN100	E 10UF, 16V	C7901	ECUX1H103KBX	C 0.01UF, K, 50V
C7529	ECUX1C105ZFX	C 1UF, Z, 16V	C7902	TAC16SA33MF1	ELECTROLYTIC CAPACITOR
C7530	ECUX1H220JCX	C 22PF, J, 50V	C7903	ECEA1CKA470	E 47UF, 16V
C7531	ECUX1H470JCX	C 47PF, J, 50V	C7904	ECUX1H103KBX	C 0.01UF, K, 50V
C7532	ECEA1CKN100	E 10UF, 16V	C9101	ECQU2A224MN	P 0.22UF, M, 250V
C7533	ECUX1C105ZFX	C 1UF, Z, 16V	C9102	ECKDNS222MEJ	C 2200PF, M,
C7534	ECUX1H151JCX	C 150PF, J, 50V	C9103	ECKDNS222MEJ	C 2200PF, M,
C7535	ECEA1CKN100	E 10UF, 16V	C9104	ECQE2A474MW	P 0.47UF, 250V
C7536	ECUX1C105ZFX	C 1UF, Z, 16V	C9105	ECQE2A474MW	P 0.47UF, 250V
C7537	ECUX1H220JCX	C 22PF, J, 50V	C9106	ECQE2A474MW	P 0.47UF, 250V
C7538	ECUX1H470JCX	C 47PF, J, 50V	C9201	ECQU2A105MV	P 1UF, M, 250V
C7539	ECEA1EKA4R7	E 4.7UF, 25V	C9203	ECKDNS472ME	C 4700PF, M,
C7540	ECUX1H101JCX	C 100PF, J, 50V	C9204	ECKDNS472ME	C 4700PF, M,
C7541	ECUX1H102JCX	C 1000PF, J, 50V	C9205	ECKDNS472ME	C 4700PF, M,
C7542	ECEA1CKA100	E 10UF, 16V	C9206	ECQE6225JF	P 2.2UF, J, 630V
C7543	ECUX1H102JCX	C 1000PF, J, 50V	C9207	ECKD3D221JBP	C 220PF, J, 2KV
C7601	ECEA1CKA470	E 47UF, 16V	C9208	EC0S2WB151DB	E 150UF, 450V
C7602	ECEA1CKA470	E 47UF, 16V	C9209	ECUX1H103KBX	C 0.01UF, K, 50V
C7603	ECEA1CKA470	E 47UF, 16V	C9210	ECUX1H103KBX	C 0.01UF, K, 50V
C7604	ECEA1CKA470	E 47UF, 16V	C9211	ECEA1HGE221	E 220UF, 50V
C7605	ECEA1CKA470	E 47UF, 16V	C9212	ECKD3A122KBP	C 1200PF, K, 1KV
C7606	ECEA1CKA470	E 47UF, 16V	C9213	ECUX1H103KBX	C 0.01UF, K, 50V
C7607	ECUX1H103KBX	C 0.01UF, K, 50V	C9214	ECEA1VGE331	E 330UF, 35V
C7608	ECUX1H103KBX	C 0.01UF, K, 50V	C9215	ECEA1HGE2R2	E 2.2UF, 50V
C7609	ECEA1HKN010	E 1UF, 50V	C9216	ECUX1H121JCX	C 120PF, J, 50V
C7610	ECEA1CKA220	E 22UF, 16V	C9217	ECUX1H681JCX	C 680PF, J, 50V
C7611	ECEA1HKA4R7	E 4.7UF, 50V	C9218	ECUX1H472KBX	C 4700PF, K, 50V
C7612	ECEA1HKN010	E 1UF, 50V	C9219	ECUX1H471JCX	C 470PF, J, 50V
C7613	ECEA1CKA100	E 10UF, 16V	C9220	ECUX1H101JCX	C 100PF, J, 50V
C7614	ECEA1CKA100	E 10UF, 16V	C9221	ECEA1HN010U	E 1UF, 50V
C7615	ECUX1H272KBX	C 2700PF, K, 50V	C9222	ECUX1H103KBX	C 0.01UF, K, 50V
C7616	ECUX1H272KBX	C 2700PF, K, 50V	C9223	ECQB1H104JF	P 0.1UF, J, 50V
C7617	ECEA1EKA470	E 47UF, 25V	C9224	ECEA1VGE471	E 470UF, 35V
C7618	ECEA1HKN010	E 1UF, 50V	C9225	ECKD3A152KBP	C 1500PF, K, 1KV
C7619	ECEA1HKN010	E 1UF, 50V	C9226	ECQE6153KF	P 0.015UF, J, 630V
C7701	ECUX1H330JCX	C 33PF, J, 50V	C9227	ECEA1CGE221	E 220UF, 16V
C7702	ECUX1H330JCX	C 33PF, J, 50V	C9228	ECQB1H104JF	P 0.1UF, J, 50V
C7703	ECUX1H104ZFX	C 0.1UF, Z, 50V	C9229	ECKD3A122KBP	C 1200PF, K, 1KV
C7704	ECUX1H103KBX	C 0.01UF, K, 50V	C9230	ECKCNA102MBX	C 1000PF, M,
C7705	ECUX1H104ZFX	C 0.1UF, Z, 50V	C9231	ECEA1EGE221	E 220UF, 25V
C7706	ECUX1H330JCX	C 33PF, J, 50V	C9232	EC0S2WB151DB	E 150UF, 450V
C7707	ECUX1H330JCX	C 33PF, J, 50V	C9233	EC0S2WB151DB	E 150UF, 450V
C7708	ECUX1H104ZFX	C 0.1UF, Z, 50V	C9234	ECEA1HGE3R3	E 3.3UF, 50V
C7709	ECUX1C105ZFX	C 1UF, Z, 16V	C9301	EEUFA1C332	E 3300UF, 16V
C7710	ECUX1C105ZFX	C 1UF, Z, 16V	C9302	EEUFA1E222	E 2200UF, 25V
C7711	ECUX1C105ZFX	C 1UF, Z, 16V	C9303	EEUFA1E102	E 1000UF, 25V
C7712	ECUX1C105ZFX	C 1UF, Z, 16V	C9304	EEUFA1C102	E 1000UF, 16V
C7713	ECUX1H221JCX	C 220PF, J, 50V	C9305	EEUFA1V471	E 470UF, 35V
C7714	ECUX1H221JCX	C 220PF, J, 50V	C9307	ECEA1HGE100	E 10UF, 50V
C7801	ECEA1CKA470	E 47UF, 16V	C9308	ECQB1H224JF	P 0.22UF, J, 50V
C7802	ECUX1H103KBX	C 0.01UF, K, 50V	C9309	EEUFA1E222	E 2200UF, 25V
C7803	ECEA1CKA100	E 10UF, 16V	C9310	ECUX1H103KBX	C 0.01UF, K, 50V
C7804	ECEA1CKA100	E 10UF, 16V	C9311	ECEA1EGE101	E 100UF, 25V
C7805	ECEA1CKA101	E 100UF, 16V	C9312	ECUX1H103KBX	C 0.01UF, K, 50V
C7806	ECEA1HKN010	E 1UF, 50V	C9316	ECUX1H103KBX	C 0.01UF, K, 50V
C7807	ECUX1H102JCX	C 1000PF, J, 50V	C9317	ECEA1EGE101	E 100UF, 25V
C7808	ECUX1H102JCX	C 1000PF, J, 50V	C9318	ECUX1H103KBX	C 0.01UF, K, 50V
C7809	ECEA1HKN010	E 1UF, 50V	C9319	ECEA1CGE101	E 100UF, 16V
C7810	ECEA1CKA101	E 100UF, 16V	C9320	ECUX1H103KBX	C 0.01UF, K, 50V
C7811	ECA1CM102	E 1000UF, 16V	C9321	ECUX1H103KBX	C 0.01UF, K, 50V
C7812	ECEA1EN470U	E 47UF, 25V	C9322	ECEA1EGE221	E 220UF, 25V
C7813	ECUX1H104ZFX	C 0.1UF, Z, 50V	C9323	ECUX1H103KBX	C 0.01UF, K, 50V
C7814	ECA1VM221G	E 220UF, 35V	C9324	ECEA1EGE221	E 220UF, 25V
C7815	ECA1VM221G	E 220UF, 35V	C9325	ECUX1C105ZFX	C 1UF, Z, 16V
C7816	ECEA1EN470U	E 47UF, 25V	C9327	ECUX1H103KBX	C 0.01UF, K, 50V
C7817	ECUX1H104ZFX	C 0.1UF, Z, 50V	C9328	ECEA1VGE221	E 220UF, 35V
C7818	ECA1CM102	E 1000UF, 16V	C9329	ECUX1H103KBX	C 0.01UF, K, 50V
C7819	ECA1VM470	E 47UF, 35V	C9330	ECKD3A101KBP	C 100PF, K, 1KV

●...PT-L592E/EG/EA Only ○...PT-L392E/EG/EA Only

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
C9331	ECKD3A101KBP	C 100PF, K, 1KV	P3	TJS3A9920	12P CONNECTOR
C9332	ECKD3A101KBP	C 100PF, K, 1KV	P4	TJS118620	5P CONNECTOR
C9333	ECKD3A101KBP	C 100PF, K, 1KV	P5	TJS118630	6P CONNECTOR
C9334	ECKD3A101KBP	C 100PF, K, 1KV	R1	TJSF21610A	10P CONNECTOR
C9335	ECEA1EGE471	E 47QUF, 25V	△ RL9201	TSE10821	RELAY
C9336	ECEA1CGE471	E 470UF, 16V	RM1000	TNQ10427	REMOCON RECEIVER
C9339	ECEA1CGE471	E 470UF, 16V	RM7901	TNQ10483	REMOCON RECEIVER
C9340	ECEA1VGE471	E 470UF, 35V	△ ● RTL	TNPA0665AC	CIRCUIT BOARD D
OTHERS			△ RTL	TNPA0668AA	CIRCUIT BOARD K
A1	TJSF21830	30P CONNECTOR	△ RTL	TNPA0669AA	CIRCUIT BOARD P
A2	TJSF21830	30P CONNECTOR	△ ● RTL	TNPA0670AC	CIRCUIT BOARD F
A3	TJSF21830	30P CONNECTOR	△ ○ RTL	TNPA0670AD	CIRCUIT BOARD F
● A4	TJS3A9120	20P CONNECTOR	△ RTL	TNPA0673AA	CIRCUIT BOARD S
● A5	TJS3A9120	20P CONNECTOR	△ RTL	TNPA0674AA	CIRCUIT BOARD R
A6	TJSF21730	30P CONNECTOR	△ ● RTL	TNPH0136AC	CIRCUIT BOARD A
A7	TJS3A9670	6P CONNECTOR	△ ○ RTL	TNPH0137AB	CIRCUIT BOARD A
A8	TJS3A9660	5P CONNECTOR	△ ● RTL	TXN/J1VTFZ	CIRCUIT BOARD J
A9	TJSF21615A	15P CONNECTOR	△ ○ RTL	TXN/J1VTGZ	CIRCUIT BOARD J
A10	TJS3A9920	12P CONNECTOR	S1	TJS1A8100	PHONO PIN (4P)
A11	TJSF21610A	10P CONNECTOR	S2	TJSF21708	8P CONNECTOR
A12	TJS3A9640	3P CONNECTOR	S3	TJSF25306	6P CONNECTOR
A13	TJS3A9880	8P CONNECTOR	X1000	EFCA4R43MB3	CERAMIC FILTER
A14	TJS3A9640	3P CONNECTOR	X1001	TSS816N2	CRYSTAL
A15	TJSF21608A	8P CONNECTOR	X1002	TSS816N1	CRYSTAL
A16	TJS3A9640	3P CONNECTOR	X1003	TAFCSB503F30	CERAMIC RESONATOR
A17	TJS3A9640	3P CONNECTOR	● X2201	TAAA0018	CRYSTAL
A18	TJS3A9640	3P CONNECTOR	X7001	TSSJ012	CRYSTAL
A19	TJS118590	2P CONNECTOR	X7701	TAF10059	CERAMIC FILTER
A20	TJS3A9640	3P CONNECTOR	X7702	TAF10059	CERAMIC FILTER
A21	TJS3A9650	4P CONNECTOR			
○ A23	TJSF21610A	10P CONNECTOR			
● D1	TJSF21710	10P CONNECTOR			
● D2	TJS3A9110	10P CONNECTOR			
● D3	TJS3A9110	10P CONNECTOR			
F1	TJS3A9670	6P CONNECTOR			
F2	TJSF21614A	14P CONNECTOR			
F3	TJSF21630	30P CONNECTOR			
F8	TJSF21610A	10P CONNECTOR			
△ F9001	XBA2C40TR0	FUSE 250V 4A			
J1	TJS1A8120	6P CONNECTOR			
J2	TJSF21714	14P CONNECTOR			
J3	TJSF21715	15P CONNECTOR			
JK1001	TJC6137	EARTH LUG			
● JK2201	TJC6137	EARTH LUG			
JK7000	TJC6137	EARTH LUG			
JK7001	TJC6137	EARTH LUG			
JK7501	TJSF25015	15P CONNECTOR			
JK7502	TJSF25015	15P CONNECTOR			
JK7503	TJS2A9010	TEARMINAL			
JK7504	TJBA071	JACK			
JK7505	TJS9A8061	SOCKET TERMINAL			
JK7506	TJS9A8061	SOCKET TERMINAL			
JK7507	TJSF21409	9P D-SUB			
JK7508	TJSF21513	13P SOCKET			
JK7509	TJS9A8061	SOCKET TERMINAL			
JK7901	TJC6137	EARTH LUG			
JK9101	TJC6137	EARTH LUG			
JK9102	TJC6137	EARTH LUG			
JK9103	TJC6137	EARTH LUG			
JK9301	TJC6137	EARTH LUG			
JK9302	TJC6137	EARTH LUG			
K1	TJSF20702	3P CONNECTOR			
K2	TJSF20702	3P CONNECTOR			
P1	TJSF20702	3P CONNECTOR			
P2	TJSF21205	5P CONNECTOR			

